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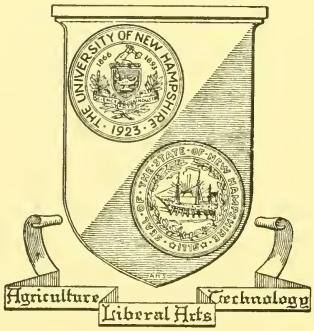


The University
of
New Hampshire

Bulletin 443 July, 1957

THE UNIVERSITY OF NEW HAMPSHIRE

AGRICULTURAL EXPERIMENT STATION

Department of Agricultural and Biological Chemistry

# INSPECTION OF COMMERCIAL FEEDINGSTUFFS

Made for the

State Department of Agriculture

By H. A. DAVIS and JEANNE BENJAMIN

The University of New Hampshire
Durham, N. H.

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## INSPECTION OF COMMERCIAL FEEDINGSTUFFS

### Made for the

### STATE DEPARTMENT OF AGRICULTURE

The New Hampshire Commercial Feedingstuffs Law is administered by the Commissioner of Agriculture. All inquiries concerning the law and the registration of feedingstuffs should be addressed to the attention of the Feed Control Supervisor, Department of Agriculture, State House, Concord, New Hampshire. A booklet "New Hampshire Commercial Feed Law and Rules and Regulations" is available at the above address. A copy should be obtained by each individual or firm expecting to sell feed products in New Hampshire.

In carrying out the provisions of the law during the fiscal year ending June 30, 1957, 702 official samples were collected under the direction of Honorable Perley I. Fitts, Commissioner of Agriculture. The samples were collected by the Control Supervisor, Mr. George H. Laramie, the Assistant Control Supervisor, Mr. Harold Ayer and an assistant, Mr. Daniel Graham. The samples were submitted to this laboratory for analysis. All inquiries relating to methods of analysis should be directed to this laboratory.

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It is not the purpose of this bulletin to discuss the law in detail but to point out certain requirements of the law. This bulletin reports the analysis of the official samples submitted by the office of the Commissioner of Agriculture.

## EXCERPTS FROM THE LAW

### and

## COMMENTS RELATING TO IT

The New Hampshire Commercial Feed Law, Chapter 226 of the Laws of the State of New Hampshire, conforms closely to the Uniform Feed Bill proposed by the Association of American Feed Control Officials. All persons concerned with the manufacture or use of feedingstuffs should become familiar with the requirements of the law.

**Registration:** Each brand of commercial feed offered for sale in the state must be registered with the Feed Control Supervisor. Forms are provided for that purpose by his office in Concord, New Hampshire.

The term "commercial feed" refers to "all materials which are distributed for use as feed for animals, other than man, and for wild birds kept in captivity, except (1) unmixed whole seeds, and meals made directly from the entire seeds, (2) unground hay, and (3) whole or ground straw, stover, silage, cobs and hulls when not mixed with other materials."

The feedingstuff is usually registered by the manufacturer or jobber, whether he is located within or outside the state. Feedingstuffs manufactured in other states are frequently handled by several middlemen before they reach the local distributor. Under the provisions of the

law, if the manufacturer or jobber fails to make registration, the dealer is responsible. Dealers who purchase feed for resale should assure themselves that the brands they purchase are properly registered and the license fee paid, otherwise, they must assume that responsibility.

**Labeling:** The law requires that any commercial feed offered for sale, or sold in this state shall furnish on each package a clearly printed statement certifying:

the number of net pounds in the package

the name and principal address of the person guaranteeing the commercial feed

the name or brand under which the commercial feed is sold

the guaranteed analysis, stating:
the minimum percentage of crude protein
the minimum percentage of crude fat
the maximum percentage of crude fiber

the name of each ingredient contained in the feed.

In special cases, as in mineral feeds and vitamin supplements, requirements as listed in the law must be met. In the case of bulk deliveries, a written or printed statement of the above information shall accompany delivery.

The Association of American Feed Control Officials is an organization of control officials of the various states. At annual meetings mutual problems are discussed and problems worked out so that the requirements of labeling and guarantees among the states may be as uniform as possible. The feed manufacturer attends these meetings and through sincere cooperation the feed consumer will obtain the best feed possible for his livestock. The Association publishes a booklet which is revised each year containing definitions, regulations and other information important to the dealer as well as the consumer of feedingstuffs. The use of this booklet by a manufacturer will enable him to use the correct name of the ingredients in his feed on the tag. An alert purchaser will observe that correct labeling is a mark of a reliable manufacturer. There are no conflicts between the New Hampshire Law and the Model bill recommended by this Association.

## THE PURPOSE OF THE FEEDINGSTUFFS LAW

The chief purpose of the feedingstuffs law is to protect the consumer against the inferior products which doubtless would soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser that every brand which meets the manufacturer's guarantee is a high-grade feed. The Commercial Feed Law does not prevent the sale of a low-grade feed if it is properly licensed and tagged, and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding

value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer, in purchasing feed from the manufacturer, and the consumer in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire Commercial Feed Law. If the feed is not registered; if the protein, fat, and crude fiber are not guaranteed; and if the ingredients of which the feed is composed are not plainly stated on the bag or on a tag attached thereto, the purchaser is not protected by the law. He has no recourse under the commercial feed law if the feed he purchases is of inferior quality. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feedingstuffs at his own risk.

The cost of a feedingstuffs inspection is a fraction of a cent per 100-pound bag sold. The funds for this inspection are allocated by the State for this purpose since each brand of feed sold must be registered and a registration fee paid annually by the manufacturers as provided by law.

## TERMS USED IN REPORTING ANALYSIS

The terms used in reporting the chemical analysis of a feedingstuff as required by law, are briefly defined as follows: PROTEIN is a collective term for a considerable group of compounds, all of which contain nitrogen. Ingredients high in protein are usually more expensive than the other ingredients, therefore, protein is one of the most important nutrients determining the commercial value of a feedingstuff. The nutritional value of the proteins varies widely; therefore, a feedingstuff should contain protein from several sources to insure inclusion of all essential types. FAT is separated from the other components of a feedingstuff by extracting the moisture-free sample with anhydrous ether. In such ingredients as the cereals, the seed-meals, and animal products, the extract is nearly pure fat. Some ingredients such as alfalfa meal contain some other soluble material which is not fat. When sulphur is present, the "ether extract" or "fat found" is much too high, since sulphur is soluble in anhydrous ether. CRUDE FIBER is composed of cellulose and related compounds. Since crude fiber has little feeding value, the law requires that the maximum fiber be guaranteed rather than the minimum, as in protein and fat.

There are times when it is desirable to determine the moisture, or water, present in a feed. Any material in contact with the air will absorb or release some moisture depending upon the humidity and the kind of material. Since feeds are in contact with the air and since the moisture content varies somewhat with the moisture of the surroundings, it is the usual custom to report the analysis of a feed on the basis as it is used, rather than on a perfectly dry basis. The ash or total mineral matter content is of value at times and is obtained by burning a sample of the feed until all of the carbon is removed and only the minerals remain. The nitrogen-free extract contains the more soluble carbohydrates such as sugars and certain simple cellulose materials. The term carbohydrates includes the nitrogen-free extract plus the crude fiber. The nitrogen-free extract and carbohydrate content of a feed is deter-

mined by calculation after the analysis for certain other constituents. The usual analysis of a feed may be summarized as follows. In using the following statement, all results must be expressed in terms of per cent: 100 minus the sum of "moisture" + "ash" + "protein" + "fat" + "crude fiber" equals the "nitrogen-free extract." Total carbohydrate equals "nitrogen-free extract" + "crude fiber."

## OTHER COMMENTS

The use of drugs, growth stimulants and special purpose additives in feeds continues to increase. The use of these materials in feeds is carefully controlled by the Federal Food and Drug Administration. In this way the public is assured that no animal product injurious to humans reaches the market. A recent Food and Drug Administration publication lists approximately 40 different substances that may be used in feeds for drug and antibiotic purposes. It is impossible for a small laboratory to check on all of these additives. In fact satisfactory analytical methods are not generally developed for all of them. During the past year it has been possible to make only those analyses required by law.

The use of bulk feed deliveries continues to increase. This is a way of cutting feed costs when proper facilities are available for delivery and storage of the feed.

It is not within the scope of this bulletin to make recommendations regarding the use of commercial feedingstuffs. The Department of Dairy Husbandry and the Department of Poultry Husbandry are continually studying feeding problems. The following publications which discuss feeds and feeding from one viewpoint or another are available free of charge to residents of New Hampshire. Requests should be addressed to: Mail Service, University of New Hampshire, Durham.

Ext. Bull. 67 Turkey Production in New Hampshire.
Ext. Bull. 114 Feeding Dairy Cattle.
Ext. Cir. 282 Dairy Calves.
Ext. Cir. 312 Brooding and Rearing Chickens.
Sta. Bull. 401 Feed Standards for N. H. Broilers.
Sta. Bull. 411 Cobalt Deficiency in N. H. Cattle, Sheep and Goats.
Sta. Bull. 419 Effect of Texture on the Nutritive Value of Concentrates for Dairy Cattle.
Sta. Bull. 426 Distributing and Handling Grain-Feeds in New Hampshire.
I. Characteristics of Milling and Distributing Firms.
Sta. Bull. 427 Distributing and Handling Grain-Feeds in New Hampshire.
II. Problems in Retail Distribution.
Sta. Bull. 431 Distributing and Handling Grain-Feeds in New Hampshire.
III. Improving the Efficiency of the Grain Feeding Operation on Poultry and Dairy Farms.
Sta. Bull. 438 The Nutritive Value of Dried Citrus Pulp for Dairy Cattle.

Inquiries occasionally are made regarding a method of calculating the protein, fat, or fiber content of a home-mixed feed. There are tables available, such as those in Morrison's book "Feeds and Feeding," which give the average chemical analysis of feed concentrates, roughage and silages. It should be pointed out that the chemical analysis of a particular lot of an ingredient may be somewhat above or below the average figure shown in the table. This fact must be taken into consideration in fixing guarantees. The following example shows how the protein content of a feed mixture may be calculated:

| Ingredients | pounds used | × | per cent protein in ingredient | = | lbs. protein furnished by ingredient |
|---|---|---|---|---|---|
| Ground Oats | 200 | | 12.0 | | 24 |
| Ground Corn | 400 | | 8.0 | | 32 |
| Gluten Feed | 300 | | 25.0 | | 75 |
| Wheat Bran | 400 | | 15.0 | | 60 |
| Linseed Oil Meal | 100 | | 34.0 | | 34 |
| Salt | 10 | | ..... | | .... |
| Total Mix | 1410 lbs. | | contains | | 225 lbs. protein |

$$\text{The mixture contains } \frac{225}{1410} \times 100 = 15.95\% \text{ Protein.}$$

The percentage of fat or fiber may be calculated in a like manner by substituting the fat or fiber figures for those of the protein.

## CONFORMITY TO GUARANTEES

The chemical analyses reported in this bulletin were made by methods approved by the Association of Official Agricultural Chemists.

A total of 702 official samples were submitted for analysis. Seventy brands were sampled two or more times. Table I shows the percentage of samples analyzed each year since 1926 that did not conform to guarantee. Table II lists the analyses of official samples of feed ingredients and mixed feeds. Table III lists the analyses of official samples of dry and canned cat and/or dog foods. Of 639 ingredients and mixed feed samples, 3% were 0.5% or less deficient in protein and 4.1% were deficient over 0.5% in protein; 1.1% were deficient 0.25% in fat and 3.8% were deficient more than 0.25% in fat; 4.1% exceeded the guarantee in crude fiber. Of 63 cat and, or, dog foods 9.5% were 0.5% or less deficient in protein, 12.7% were deficient more than 0.5% in protein. Only 0.3% showed deficiencies in fat and none contained excessive crude fiber. Percentage figures based on the total number of samples are shown in Table I.

Bold face type and underline of the figure is used to indicate a deficiency of more than 0.5 per cent below guarantee in protein, of more than 0.25 per cent below guarantee in fat and an excess of more than 1.00 per cent above the guarantee in crude fiber.

Seventy-four samples of mixed feed or ingredients were not registered at the time of sampling.

Twenty samples of cat and/or dog foods were not registered at time of sampling. They are so indentified in Table II and III.

Sixty-seven samples were drawn from "bulk" delivery lots. Sixty-one samples were drawn at the farm. These samples are so identified in Table II.

The inspection shows that good feed, usually up to guarantee, is being supplied New Hampshire farmers. The percentage of deficiencies is small but of course we would like to find all samples up to guarantee. Methods and control of mixing are constantly being studied and improved in order that the consumer may be more successful in using feedstuffs for the production of better livestock products.

**TABLE I** PERCENTAGE OF SAMPLES ANALYZED IN YEARS 1926-1957 NOT CONFORMING TO GUARANTEES

| Year | Per cent below guarantee in Protein | | Per cent below guarantee in Fat | | Per cent high in Crude Fiber |
|---|---|---|---|---|---|
| | Less than 0.5 per cent | 0.5 per cent or more | Less than 0.25 per cent | 0.25 per cent or more | |
| 1926 | 8.0 | 16.0 | 4.0 | 10.0 | 6.0 |
| 1927 | 8.3 | 16.4 | 5.8 | 13.6 | 5.9 |
| 1928 | 9.1 | 20.7 | 4.3 | 9.3 | 7.9 |
| 1929 | 9.5 | 20.2 | 2.8 | 9.3 | 6.5 |
| 1930 | 4.8 | 13.1 | 4.0 | 8.0 | 3.9 |
| 1931 | 1.8 | 7.2 | 5.9 | 9.7 | 5.3 |
| 1932 | 1.8 | 1.4 | 5.0 | 8.1 | 2.8 |
| 1933 | 1.3 | 3.6 | 7.5 | 9.8 | 3.6 |
| 1934 | 3.0 | 3.4 | 3.9 | 7.1 | 9.8 |
| 1935 | 2.4 | 3.0 | 4.2 | 8.5 | 9.9 |
| 1936 | 2.9 | 5.2 | 5.5 | 8.3 | 12.2 |
| 1937 | 2.8 | 4.2 | 3.0 | 6.0 | 11.0 |
| 1938 | 2.9 | 8.1 | 9.8 | 10.8 | 11.5 |
| 1939 | 1.9 | 3.3 | 6.8 | 9.3 | 8.7 |
| 1940 | 2.9 | 4.0 | 6.2 | 6.7 | 7.5 |
| 1941 | 1.1 | 2.6 | 4.7 | 6.7 | 5.6 |
| 1942 | 2.6 | 3.5 | 3.7 | 4.5 | 7.4 |
| 1943 | 3.7 | 2.7 | 7.7 | 8.6 | 7.4 |
| 1944 | 8.2 | 9.0 | 10.7 | 19.7 | 6.9 |
| 1945 | 2.1 | 6.1 | 2.9 | 7.5 | 7.1 |
| 1946 | 8.6 | 17.5 | 2.3 | 8.9 | 14.6 |
| 1947 | 4.1 | 10.2 | 1.7 | 4.0 | 24.7 |
| 1948 | 3.6 | 3.8 | 2.3 | 3.5 | 13.6 |
| 1949 | 3.5 | 5.8 | 2.7 | 2.8 | 7.2 |
| 1950 | 4.9 | 7.3 | 4.9 | 5.1 | 3.2 |
| 1951 | 4.4 | 7.5 | 2.7 | 4.9 | 4.0 |
| 1952 | 4.3 | 8.4 | 3.0 | 5.8 | 4.3 |
| 1953 | 4.3 | 12.7 | 3.4 | 6.8 | 4.4 |
| 1954 | 2.7 | 6.1 | 1.7 | 3.5 | 3.8 |
| 1955 | 2.8 | 7.5 | 2.4 | 4.5 | 5.9 |
| 1956 | 3.9 | 3.9 | 2.4 | 6.1 | 4.0 |
| 1957 | 3.6 | 4.8 | 1.2 | 3.7 | 3.7 |

## REQUESTS BY INDIVIDUALS FOR THE ANALYSIS OF FEEDINGSTUFFS

In addition to the official samples of feedingstuffs submitted by the Feed Control Supervisors, the Agricultural Experiment Station each year analyzes some samples drawn by individuals to aid in solving a particular problem. Chemical analysis can aid in certain cases but it should not be expected to answer all questions. A close study of management practices will often answer many problems when the first thing to do seems to be to blame the feed for difficulties in growth or production of livestock. It is suggested that in the case of a difficulty involving feeding that you call in your County Agent, your veterinarian, or the fieldman of your feed supplier to consider your problem. They will then obtain the facts in the case and will determine whether an analysis of the feed will be of help or not.

If a feed sample is mailed or brought to the laboratory, it is essential that the sample drawn, about one pint, put in a clean, tight container, adequately represents the large lot from which it is drawn and that full information concerning the case accompany the sample. If this is not done, it must be supplied before analysis can be made. Because of the cost of laboratory work and materials, the necessity for an analysis is decided upon the basis of information submitted and an opinion obtained as to whether or not an analysis is necessary in the particular case involved. Since this is a state experiment station, this service is available only to residents of the state and no charge is made for occasional work. Many questions that are raised may be satisfactorily answered by correspondence without laboratory work.

Twenty-four samples of feed, hay or silage were examined for residents of the state because of some special problem involving the particular case during the fiscal year.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Allied Mills, Inc.**<br>**Chicago, Ill.** | | | | | | | |
| Chlortetracycline - Oxytetracycline-Nicarbazine Mixture in Wayne H-A-D Krums | Manchester | 20.00 | 21.5 | 3.00 | 3.2 | 4.00 | 3.2 |
| Nicarbazine Mixture in Wayne Universal Grower | Manchester | 16.00 | 17.4 | 2.50 | 4.1 | 4.50 | 4.3 |
| 3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin Mixture In Wayne Chick Starter | Manchester | 20.00 | 20.4 | 3.00 | 3.8 | 5.50 | 4.9 |
| 3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin Mixture in Wayne Rocket Broiler Finisher | Manchester | 19.00 | 20.6 | 5.00 | 4.9 | 2.50 | 2.5 |
| 3-Nitro-4-Hydroxyphenylarsonic Acid and Nicarbazin Mixture in Wayne Rocket Broiler Starter | Keene | 23.00 | 23.6 | 5.00 | **4.7** | 2.50 | 2.3 |
| 4-Nitrophenylarsonic Acid Mixture in Wayne Turkey Grower | Manchester | 22.00 | 21.6 | 2.50 | 3.1 | 7.00 | 5.7 |
| 4-Nitrophenylarsonic Acid Mixture in Wayne Universal Turkey Grower | Manchester | 18.00 | 19.7 | 2.50 | 3.7 | 6.00 | 5.5 |
| Pure Corn and Oats Chop | W. Lebanon | 9.00 | 11.1 | 3.50 | 4.2 | 10.00 | 7.3 |
| Sugarine 16% Dairy | Keene | 16.00 | 19.0 | 2.50 | 2.9 | 11.00 | 10.4 |
| Sugarine 16% Dairy "E" | W. Lebanon | 16.00 | 17.8 | 4.00 | 4.9 | 11.00 | 10.1 |
| Wayne 16% Dairy | W. Lebanon | 16.00 | 18.3 | 3.00 | 3.5 | 9.00 | 8.1 |
| Wayne 20% Dairy | W. Lebanon | 20.00 | 20.1 | 3.00 | **2.5** | 9.00 | 7.9 |
| Wayne Egg Mash | W. Lebanon | 22.00 | 22.0 | 4.00 | 4.1 | 4.50 | 4.5 |
| Wayne Egg Mash | W. Lebanon | 22.00 | **21.0** | 4.00 | 4.4 | 4.50 | 4.5 |
| Wayne Fitting Ration | W. Lebanon | 13.00 | 13.9 | 3.00 | 3.9 | 8.50 | 7.2 |
| +Wayne Game Bird Grower | W. Lebanon | 22.00 | 22.1 | 2.50 | 4.0 | 7.00 | 5.6 |
| Wayne Pigeon Feed | Manchester | 12.00 | 13.8 | 2.00 | 2.4 | 5.00 | 2.6 |
| Wayne Pork Maker | Manchester | 14.00 | 15.4 | 3.00 | 4.1 | 8.00 | 6.3 |
| Wayne Tail Curler | Manchester | 18.00 | 18.7 | 3.00 | 4.0 | 5.00 | 3.6 |
| Wayne Test Cow Ration | Keene | 16.00 | 17.3 | 4.00 | 4.0 | 9.00 | 7.9 |
| Wayne Turkey Grower | Manchester | 22.00 | 22.2 | 2.50 | 3.4 | 7.00 | 5.7 |
| Wayne Universal Breeder | W. Lebanon | 18.00 | 18.1 | 4.00 | 5.0 | 4.00 | 4.0 |
| Wayne Universal Dairy Feed | Keene | 14.00 | 16.6 | 3.00 | 3.8 | 9.00 | 9.3 |
| Wayne Universal Egg (An All Mash Feed) | Keene | 18.00 | 18.4 | 4.00 | 4.5 | 4.00 | 4.3 |
| Wayne Universal Grower | Manchester | 16.00 | 17.8 | 2.50 | 4.0 | 4.50 | 4.0 |
| Wayne Universal Turkey Grower | W. Lebanon | 18.00 | 19.4 | 2.50 | 3.7 | 6.00 | 4.8 |
| Wayne Universal Turkey Grower | W. Lebanon | 18.00 | 19.6 | 2.50 | 3.7 | 6.00 | 4.5 |
| **American Maize Product Co.**<br>**New York, N. Y.** | | | | | | | |
| +Amaizo Corn Gluten Meal | Manchester | 41.00 | 42.8 | 1.00 | 2.0 | 6.00 | 3.9 |
| **Archer-Daniels-Midland Co.**<br>**Minn., Minn.** | | | | | | | |
| Archer Daniels 36% Linseed Oil Meal Solvent Extracted | Keene | 36.00 | 37.2 | 0.50 | 0.9 | 10.00 | 7.9 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **The Ark Valley Alfalfa Mill, Inc.** | | | | | | | |
| **Hutchinson, Kansas** | | | | | | | |
| +Ark Valley Fine Ground Dehydrated Alfalfa Meal | Manchester | 17.00 | 18.6 | 1.50 | 2.8 | 27.00 | 24.7 |
| **Auburn Dehydrating Mills, Inc.** | | | | | | | |
| **Auburn, Ill.** | | | | | | | |
| +Prairie Gold Suncured Alfalfa Meal | N. Haverhill | 13.00 | 14.9 | 1.50 | 2.0 | 33.00 | 28.7 |
| **B & W Canning Co., Inc.** | | | | | | | |
| **Groveland, Fla.** | | | | | | | |
| B' n W Brand Dried Citrus Pulp | Woodsville | 6.00 | 5.5 | 3.00 | 3.6 | 13.00 | 10.0 |
| **E. W. Bailey & Co., Inc.** | | | | | | | |
| **Montpelier, Vt.** | | | | | | | |
| Bailey's Calf Ration | Colebrook | 15.00 | 15.1 | 3.00 | 3.0 | 7.00 | 5.2 |
| Bailey's Complete Egg Ration | Colebrook | 16.00 | 19.2 | 3.50 | 4.6 | 7.00 | 6.2 |
| Bailey's 16% Dairy Ration | Colebrook | 16.00 | 18.0 | 3.00 | 3.5 | 10.00 | 9.1 |
| Bailey's 18% Dairy Ration | Colebrook | 18.00 | 18.9 | 3.00 | 3.5 | 9.00 | 6.3 |
| Bailey's 20% Dairy Ration | N. Haverhill | 20.00 | 24.3 | 3.00 | 3.0 | 9.00 | 6.4 |
| Bailey's Fitting Ration | Colebrook | 14.00 | 14.5 | 3.00 | 3.8 | 11.00 | 9.4 |
| (F)Bailey's Fitting Ration | Woodsville | 14.00 | 14.7 | 3.00 | 3.3 | 11.00 | 8.3 |
| (F)Bailey's Fitting Ration | Warner | 14.00 | 14.9 | 3.00 | 3.6 | 11.00 | 7.8 |
| Bailey's Lay Mix | Colebrook | 16.00 | 16.0 | 4.00 | 5.1 | 4.50 | 3.9 |
| Bailey's Mo-Bulk | N. Haverhill | 10.50 | 12.9 | 1.00 | 2.1 | 17.00 | 13.4 |
| Bailey's Oxytetracycline Mix in Super-Ettes | N. Haverhill | 20.00 | 23.4 | 3.50 | 5.2 | 4.50 | 3.7 |
| Bailey's 12% Pasture Ration | Colebrook | 12.00 | 12.3 | 3.00 | 4.2 | 10.00 | 9.2 |
| Bailey's Pig Grower | Colebrook | 15.00 | 15.6 | 3.50 | 4.6 | 6.50 | **8.0** |
| Bailey's Scratch Feed | N. Haverhill | 9.00 | 10.3 | 2.00 | 3.4 | 4.00 | 3.0 |
| Bailey's Special 16% Dairy Ration | Colebrook | 16.00 | 19.6 | 3.00 | 3.8 | 10.00 | 8.7 |
| +Bailey's 16% Test Ration | Colebrook | 16.00 | 16.5 | 3.00 | 3.5 | 9.00 | 8.3 |
| Bailey's Yankee 16 Dairy | N. Haverhill | 16.00 | 18.2 | 3.00 | 4.0 | 15.00 | 9.5 |
| (F)Yankee 18 Dairy | Warner | 18.00 | 19.3 | 3.00 | 4.0 | 15.00 | 8.5 |
| **Beacon Milling Co.** | | | | | | | |
| **Cayuga, N. Y.** | | | | | | | |
| Auburn "16" | Dover | 16.00 | 16.2 | 3.00 | 3.6 | 10.00 | 7.4 |
| +Be-Co-Nurse Milk Replacer | Dover | 24.00 | 24.0 | 10.00 | 10.1 | 0.25 | 0.1 |
| Beacon "20" | Dover | 20.00 | 21.0 | 3.25 | 3.3 | 9.00 | 7.4 |
| Beacon Breeder All-Mash | Dover | 17.00 | 17.8 | 4.75 | 5.3 | 4.75 | 3.5 |
| Beacon C-C Pellets | Dover | 15.00 | 16.6 | 4.50 | 10.8 | 5.00 | 4.3 |
| Beacon Chlortetracycline Mix | Dover | 20.00 | 21.0 | 4.00 | 5.0 | 5.75 | 4.4 |
| Beacon Chlortetracycline Mix (Pellets) | Dover | 20.00 | 20.8 | 4.00 | 5.3 | 5.75 | 4.4 |
| Beacon Complete Rabbit Pellets | Dover | 17.00 | 17.7 | 3.50 | 4.7 | 13.00 | 10.4 |
| Beacon Dairy Fitting | Dover | 14.00 | 15.0 | 3.25 | 3.5 | 9.00 | 9.0 |
| Beacon "22" Egg Mash | Dover | 22.00 | 22.2 | 4.75 | 5.3 | 5.50 | 4.3 |
| Beacon Grower All-Mash | Dover | 16.00 | 16.5 | 4.50 | 4.9 | 6.00 | 4.6 |
| Beacon "18" Growing Mash | Dover | 18.00 | 19.1 | 4.50 | 5.4 | 6.00 | 4.6 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.
(F) Sampled at a Farm.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs<br>Protein | | Fat | | Crude Fiber | |
|---|---|---|---|---|---|---|---|
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Beacon Milling Co.** (Continued) | | | | | | | |
| Beacon Market Egg All-Mash (Pellets) | Dover | 17.00 | 17.6 | 4.75 | 5.4 | 4.75 | 3.3 |
| Beacon Nicarbazin - Arsanilic Acid Mix in Beacon Broiler Finisher | Dover | 18.00 | 20.0 | 4.50 | 5.0 | 4.50 | 2.8 |
| Beacon Nicarbazin - Arsanilic Acid Mix in Beacon Starter-Broiler | Dover | 23.00 | 23.9 | 5.00 | 5.8 | 4.50 | 2.7 |
| Beacon Nicarbazin Mix in Beacon Complete Starter | Dover | 22.00 | 23.2 | 4.00 | 5.1 | 5.50 | 3.4 |
| Beacon "15" with Pellets | Goffstown | 15.00 | 15.3 | 4.00 | 4.2 | 9.00 | 6.6 |
| Beacon Poultry Fitting | Dover | 11.00 | 11.7 | 2.50 | 3.2 | 7.50 | 4.2 |
| Beacon Sodium Propionate Mixture in Beacon Dairy Fitting Ration | Goffstown | 14.00 | 15.0 | 3.00 | 3.2 | 9.00 | 7.8 |
| Beacon "14" Test Cow Ration | Dover | 14.00 | 15.8 | 4.00 | 4.2 | 9.00 | 7.6 |
| Beacon "18" Test Cow Ration | Dover | 18.00 | 19.4 | 4.00 | 4.0 | 9.00 | 7.6 |
| Beacon Turkey Finisher All-Mash | Nashua | 18.00 | 19.4 | 4.00 | 4.0 | 5.50 | 3.6 |
| (F)Beacon Turkey and Game Bird Fitting | Grasmere | 10.00 | 10.1 | 3.00 | 2.8 | 9.00 | 5.0 |
| (F)Beacon Turkey and Game Bird Fitting | Grasmere | 10.00 | 10.2 | 3.00 | 3.2 | 9.00 | 4.9 |
| (F)Beacon Turkey and Game Bird Grower (Pellets) | Grasmere | 24.00 | 24.2 | 3.50 | 3.9 | 5.75 | 3.7 |
| **Brown Forman Distillers Corp.**<br>**Louisville, Kentucky** | | | | | | | |
| BF Corn Distillers Solubles | Manchester | 24.00 | 28.5 | 8.00 | 8.7 | 4.00 | 4.6 |
| **The Buckeye Cotton Oil Division of Buckeye Cellulose Corp.**<br>**Cincinnati, Ohio** | | | | | | | |
| +Buckeye 44% Protein Solvent Extracted Soybean Oil Meal | Suncook | 44.00 | 46.2 | 0.50 | 1.9 | 7.00 | 5.3 |
| **Buckeye Sugars, Inc.**<br>**Ottawa, Ontario, Canada** | | | | | | | |
| +Dried Beet Pulp | Farmington | 7.00 | 8.3 | 0.30 | 0.4 | 22.50 | 19.4 |
| **Calvert Milling Co.**<br>**Hoytville, Ohio** | | | | | | | |
| +15% Dehydrated Alfalfa Meal | Colebrook | 15.00 | **14.2** | 1.50 | 4.3 | 30.00 | 29.7 |
| **Canada & Dominion Sugar Co., Ltd.**<br>**Chatham, Ontario, Canada** | | | | | | | |
| +Dominion Dried Beet Pulp | Concord | 7.00 | 8.2 | 0.30 | 0.4 | 22.50 | 19.8 |
| **A. B. Caple Co.**<br>**Toledo, Ohio** | | | | | | | |
| +Alfalfa Meal | Bow Mill | 13.00 | **11.2** | 1.00 | 1.0 | 33.00 | **37.6** |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.
(F) Sampled at a Farm.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Central Soya Co., Inc.** | | | | | | | |
| **Ft. Wayne, Ind.** | | | | | | | |
| Central Star Brand Solvent Extracted Soybean Oil Meal | Manchester | 44.00 | 44.9 | 0.50 | 0.5 | 7.00 | 5.0 |
| **S. J. Cherry & Sons, Ltd.** | | | | | | | |
| **Preston, Ontario, Canada** | | | | | | | |
| +Wheat Bran | Potter Place | 14.00 | 15.2 | 3.50 | 4.2 | 11.50 | 10.5 |
| +Wheat Shorts | Potter Place | 13.00 | 16.7 | 5.00 | 5.5 | 8.00 | 7.1 |
| **Clinton Foods, Inc.** | | | | | | | |
| **Clinton, Iowa** | | | | | | | |
| Clinton 21% Protein Corn Gluten Feed | Colebrook | 21.00 | **19.5** | 1.00 | 1.6 | 10.00 | 8.2 |
| **Commercial Solvents Corp.** | | | | | | | |
| **Animal Nutrition Dept.** | | | | | | | |
| **260 Madison Ave., N. Y., N. Y.** | | | | | | | |
| +C. S. C. By-100 Dried Grain & Cane Syrup Fermentation Solubles (Butyl) | Bow Mill | 25.00 | 26.4 | 1.00 | 3.3 | 10.00 | 3.3 |
| **Consolidated Products Co.** | | | | | | | |
| **Danville, Ill.** | | | | | | | |
| +"Consolidated's" Spray Dried Whole Whey | Keene | 12.00 | 13.3 | 0.50 | 0.6 | .... | .... |
| **Consolidated Rendering Co.** | | | | | | | |
| **118 Atlantic Ave., Boston, Mass.** | | | | | | | |
| **Corenco 46% Meat and Bone Scrap | Manchester | 46.00 | **45.3** | 6.00 | 9.5 | .... | .... |
| Corenco 46% Meat and Bone Scrap | Keene | 46.00 | **45.4** | 6.00 | 8.7 | 2.00 | 1.9 |
| **Corenco 46% Meat and Bone Scrap | Manchester | 46.00 | **45.3** | 6.00 | 9.6 | 2.00 | 1.8 |
| Corenco 46% Meat and Bone Scrap | Bow Mill | 46.00 | 46.3 | 6.00 | 8.3 | 2.00 | 1.6 |
| Corenco 47% Meat and Bone Scrap | Claremont | 47.00 | **44.8** | 6.00 | 8.1 | 2.00 | 1.5 |
| Corenco 47% Meat and Bone Scrap | Potter Place | 47.00 | 47.2 | 6.00 | 7.5 | 2.00 | 1.3 |
| +Corenco Poultry By-Product Meal | Manchester | 56.00 | **55.1** | 6.00 | 11.3 | 2.00 | 1.6 |
| Corenco Poultry By-Product Meal | Manchester | 56.00 | 57.3 | 6.00 | 10.2 | 2.00 | 1.6 |
| **Corn Products Refining Co., Inc.** | | | | | | | |
| **New York, N. Y.** | | | | | | | |
| Buffalo Corn Gluten Feed | Potter Place | 21.00 | 23.1 | 1.00 | 1.6 | 10.00 | 8.7 |
| Diamond Corn Gluten Meal | Bow Mill | 41.00 | 46.6 | 1.00 | 2.2 | 6.00 | 4.7 |

* Protein and fat not less than, crude fiber not more than.
** Sampled from Bulk Shipments.
+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Chas. M. Cox Co.** | | | | | | | |
| **Boston, Mass.** | | | | | | | |
| **Big W. 16% Dairy Feed | Brentwood | 16.00 | 17.2 | 3.00 | 3.3 | 14.00 | 12.2 |
| Chlortetracycline-Furazolidone - Nicarbazine Mixture in Wirthmore Broiler Perk | Meredith | 20.00 | 21.4 | 4.50 | 5.7 | 4.00 | 3.1 |
| Chlortetracycline Mixture in Wirthmore Quickies | Meredith | 20.00 | 22.4 | 3.50 | 5.8 | 4.50 | 3.8 |
| Dienestrol Diacetate (Lipamone) Nicarbazin - Sodium Arsanilate Mixture in Wirthmore Broiler Finisher | Greenville | 18.00 | 18.5 | 5.50 | 5.3 | 4.00 | 4.0 |
| Furazolidone (NF-180) Mixture in Wirthmore Turk-E-Treat | Dover | 23.00 | 23.0 | 3.50 | 4.8 | 6.00 | 5.8 |
| Nicarbazin Mixture in Wirthmore Fattening Pellets | Tilton | 17.50 | 18.1 | 4.00 | 5.0 | 4.50 | 4.1 |
| Nicarbazin Mixture in Wirthmore Improved Hi-Ener-G Starter & Broiler Ration | Meredith | 20.00 | 21.5 | 4.50 | 5.6 | 4.00 | 2.9 |
| Nicarbazin - Sodium Arsanilate Mixture in Wirthmore Improved Hi-Ener-G Starter and Broiler Ration | Nashua | 20.00 | 20.2 | 4.50 | 5.9 | 4.00 | 2.5 |
| 4-Nitrophenylarsonic Acid (Histostat) Mixture in Wirthmore Complete Turkey Fattening Ration | Nashua | 16.00 | 20.1 | 4.00 | 4.5 | 5.00 | 4.6 |
| Sulfaquinoxaline Mixture in Wirthmore Complete Chick Starter | Nashua | 20.00 | 21.4 | 3.50 | 4.5 | 5.00 | 3.9 |
| Sulfaquinoxaline Mixture in Wirthmore Hi-Ener-G 16 | Hillsboro | 16.00 | 16.9 | 3.50 | 4.7 | 4.50 | 4.0 |
| Sulfaquinoxaline Mixture in Wirthmore Turkey Starter Ration | Meredith | 28.00 | 28.4 | 4.00 | 4.8 | 5.50 | 4.6 |
| Wirthmore Breeder Mash | Nashua | 20.00 | 22.5 | 3.50 | 5.7 | 5.50 | 4.1 |
| **Wirthmore Calving Ration | Amherst | 14.00 | 15.6 | 3.50 | 3.9 | 10.00 | 6.5 |
| Wirthmore Challenger Coarse 16 Dairy Ration | Conway | 16.00 | 18.3 | 3.25 | 3.3 | 10.00 | 9.4 |
| Wirthmore Chick Starter 400 Medicated | Hillsboro | 20.00 | 20.7 | 4.00 | 4.4 | 5.00 | 4.4 |
| Wirthmore Coarse Test Rairy Ration | Nashua | 16.00 | 19.2 | 4.00 | 4.6 | 9.00 | 6.6 |
| Wirthmore Complete Breeder Ration | Nashua | 15.00 | 17.8 | 3.50 | 5.0 | 6.00 | 4.6 |
| Wirthmore Complete Egg Ration | Conway | 15.00 | 16.6 | 3.50 | 4.8 | 6.00 | 4.8 |
| Wirthmore Complete Growing Ration | Lancaster | 15.00 | 15.5 | 3.50 | 4.4 | 6.00 | 5.1 |
| Wirthmore Complete Turkey Fattening Ration | Plymouth | 16.00 | 18.2 | 4.00 | 4.9 | 5.00 | 4.8 |
| Wirthmore Complete Turkey Growing Ration | Nashua | 18.00 | 18.2 | 4.00 | 4.4 | 5.50 | 4.4 |

* Protein and fat not less than, crude fiber not more than.
** Sampled from Bulk Shipments.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Chas. M. Cox Co.** (Continued) | | | | | | | |
| (F)**Wirthmore 16 Dairy Feed | Contoocook | 16.00 | 18.3 | 3.50 | 3.9 | 9.00 | 8.1 |
| Wirthmore 14 Dairy Fitting Ration | Hillsboro | 14.00 | 16.1 | 3.50 | 4.1 | 8.50 | 7.0 |
| (F)Wirthmore 14 Dairy Fitting Ration | Stewartstown | 14.00 | 16.5 | 3.50 | 3.8 | 8.50 | 7.6 |
| Wirthmore 14 Dairy Fitting Ration | Plymouth | 14.00 | 16.5 | 3.50 | 3.8 | 8.50 | 6.6 |
| Wirthmore 16 Dairy Ration | Lancaster | 16.00 | 19.0 | 3.50 | 4.0 | 9.00 | 8.8 |
| (F)Wirthmore 16 Dairy Record Feed | Dover | 16.00 | 19.4 | 3.50 | 3.9 | 8.50 | 7.6 |
| **Wirthmore 16 Dairy Record Ration | Milford | 16.00 | 18.3 | 3.50 | 3.7 | 8.50 | 7.8 |
| Wirthmore 16 Dairy Record Ration | Plymouth | 16.00 | 18.8 | 3.50 | 3.9 | 8.50 | 7.7 |
| Wirthmore 18 Dairy Record Feed | Potter Place | 18.00 | 18.3 | 3.50 | 3.7 | 8.50 | 7.9 |
| Wirthmore Fodder Greens | Potter Place | 9.00 | 9.2 | 2.00 | 2.0 | 18.00 | 17.7 |
| Wirthmore Green Mountain 14 | Concord | 14.00 | 17.5 | 3.25 | 3.4 | 10.00 | 8.4 |
| Wirthmore Green Mountain 16 | Conway | 16.00 | 16.9 | 3.25 | 3.4 | 10.00 | 9.4 |
| Wirthmore Green Mountain 20 | Conway | 20.00 | 22.0 | 3.25 | 3.1 | 10.00 | 8.8 |
| Wirthmore Gro & Egg | Plymouth | 20.00 | 21.0 | 3.50 | 4.6 | 5.50 | 4.3 |
| **Wirthmore Hi-Ener-G 16 | Laconia | 16.00 | 16.6 | 3.50 | 4.1 | 4.50 | 3.6 |
| **Wirthmore Hi-Ener-G 16 | Pembroke | 16.00 | 16.6 | 3.50 | 4.2 | 4.50 | 3.4 |
| Wirthmore Hi-Ener-G Breeder | Plymouth | 16.00 | 17.8 | 3.50 | 4.4 | 4.50 | 3.7 |
| **Wirthmore Hi-Energy Breeder | Concord | 16.00 | 17.5 | 3.50 | 4.4 | 4.50 | 3.4 |
| Wirthmore Hog Grower | Hillsboro | 15.00 | 16.9 | 4.00 | 4.0 | 6.00 | 5.5 |
| Wirthmore Horse Feed | Hillsboro | 10.00 | 10.6 | 3.25 | 4.0 | 9.00 | 7.3 |
| Wirthmore Improved Hi-Ener-G Broiler Ration 404-medicated | Dover | 22.00 | 22.2 | 5.50 | 6.0 | 3.50 | 2.9 |
| Wirthmore Meatless Mink | Dover | 13.00 | 13.6 | 3.00 | 6.5 | 6.00 | 4.2 |
| Wirthmore Medicated Broiler Perk 406 | Dover | 22.00 | 22.4 | 5.50 | 6.4 | 4.00 | 3.4 |
| Wirthmore Pig and Sow Feed | Plymouth | 17.00 | 18.7 | 3.50 | 4.7 | 8.00 | 5.8 |
| Wirthmore Production Scratch | Lancaster | 9.50 | 9.9 | 2.50 | 3.2 | 4.00 | 3.8 |
| Wirthmore Rabbit Pellets | Hillsboro | 17.00 | 18.8 | 3.00 | 4.2 | 12.00 | 11.0 |
| **Wirthmore 16 Record Ration | Amherst | 16.00 | 18.9 | 3.50 | 4.0 | 8.50 | 7.7 |
| Wirthmore Sheep and Goat Ration | Plymouth | 16.00 | 18.2 | 3.50 | 3.7 | 9.00 | 8.3 |
| Wirthmore Stock Feed | Plymouth | 10.00 | 10.2 | 3.00 | 3.8 | 11.00 | 10.1 |
| Wirthmore Turkey Growing Ration | Meredith | 23.00 | 23.5 | 3.50 | 4.4 | 6.00 | 5.3 |
| Wirthmore Twin Mix Calf Ration | Hillsboro | 18.00 | 21.1 | 3.00 | 4.3 | 8.00 | 6.5 |
| **Dawe's Laboratory, Inc.**<br>**Chicago, Ill.** | | | | | | | |
| +Dawe's Fermentation Supplement | Manchester | 27.00 | 29.4 | 5.00 | 5.6 | 14.00 | 11.0 |

* Protein and fat not less than, crude fiber not more than.
(F) Sampled at a Farm.
+ Sampled from Bulk Shipments.
** Not registered when sampled.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Delaware Mills, Inc.** | | | | | | | |
| **Deposit, N. Y.** | | | | | | | |
| Delaware Chlortetracycline Mixture in Delamycin | Milford | 20.00 | 20.5 | 3.00 | 4.2 | 5.50 | 5.0 |
| Delaware Complete Layer | Farmington | 15.00 | 16.5 | 3.00 | 4.7 | 6.50 | 5.6 |
| Delaware Complete Starter and Grower | Milford | 17.00 | 18.1 | 3.00 | 5.4 | 6.50 | 5.3 |
| Delaware Egg Mash | Farmington | 20.00 | 21.3 | 3.00 | 4.9 | 6.00 | 6.7 |
| Delaware Fitting Ration | Milford | 14.00 | 13.8 | 3.00 | 3.2 | 11.00 | 8.5 |
| Delaware H-E Breeder | Milford | 16.50 | 17.5 | 3.00 | 6.8 | 4.50 | 4.4 |
| Delaware H-E Layer | Milford | 16.50 | 17.0 | 3.00 | 5.3 | 4.50 | 4.8 |
| Delaware Horse Feed | Farmington | 9.00 | 11.4 | 2.50 | 3.7 | 10.00 | 6.8 |
| +Delaware Nicarbazin and Arsanilic Acid Mix in Delaware H-E Broiler | Milford | 22.00 | 22.8 | 4.00 | 5.7 | 4.00 | 3.7 |
| Delaware Nicarbazin Mixture in Delaware Chick Starter | Farmington | 20.00 | 20.6 | 3.00 | 4.4 | 5.50 | 4.8 |
| Delaware Nicarbazin Mixture in Delaware Complete Starter and Grower | Milford | 17.00 | 17.8 | 3.00 | 5.2 | 6.50 | 5.9 |
| Delaware Nicarbazin Mixture in Delaware Complete Starter and Grower | Milford | 17.00 | 17.4 | 3.00 | 5.4 | 6.50 | 5.3 |
| Delaware Scratch Grains | Farmington | 9.00 | 9.0 | 2.00 | 2.6 | 5.00 | 2.8 |
| +Delaware Sweet 16% Dairy Feed | Milford | 16.00 | 17.3 | 3.50 | 3.9 | 11.00 | 7.9 |
| Delaware Sweet 16% Dairy Feed | Farmington | 16.00 | 16.0 | 3.50 | 5.0 | 11.00 | 8.9 |
| +Delaware Sweet 20% Dairy Feed | Farmington | 20.00 | 20.1 | 3.00 | 3.9 | 10.00 | 8.2 |
| Delaware 18% Test Ration | Farmington | 18.00 | 18.0 | 3.50 | 4.2 | 10.00 | 9.0 |
| +Indian Sweet 16% Dairy Feed | Farmington | 16.00 | 16.9 | 3.00 | 3.6 | 15.00 | 8.9 |
| Indian Sweet 16% Dairy Feed | Farmington | 16.00 | 16.3 | 3.00 | 3.4 | 15.00 | 9.4 |
| Nicarbazin Mixture in Delaware Broiler Finisher | Milford | 18.00 | 19.8 | 3.00 | 4.8 | 5.00 | 3.1 |
| **Delphos Grain & Soya Products Co.** | | | | | | | |
| **Delphos, Ohio** | | | | | | | |
| 44% Protein Soybean Oil Meal (Solvent Extracted) | Potter Place | 44.00 | 45.9 | 0.50 | 0.6 | 7.00 | 5.8 |
| **Dietrich & Gambrill, Inc.** | | | | | | | |
| **Frederick, Md.** | | | | | | | |
| Gambrill's Growing Mash (Pellets) | Laconia | 19.00 | 19.8 | 3.00 | 5.6 | 5.50 | 4.8 |
| Gambrill's Laying Mash | Laconia | 20.00 | 21.6 | 4.00 | 5.5 | 5.50 | 5.7 |
| Gambrill's Laying Mash (Pellets) | Laconia | 20.00 | 20.2 | 3.00 | 5.8 | 5.50 | 4.9 |
| D. & G. Utility Scratch Feed | Laconia | 9.00 | 11.3 | 2.50 | 2.9 | 5.00 | 3.2 |
| **Distillers Corp., Ltd.** | | | | | | | |
| **Montreal, Canada** | | | | | | | |
| +Distilco Corn Distillers' Dried Grains 25% | Bow Mill | 25.00 | 26.7 | 8.00 | 10.4 | 12.00 | 8.5 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Domestic Concentrates, Inc.**<br>**New York, N. Y.** | | | | | | | |
| +Dried Beet Pulp | W. Lebanon | 7.00 | 8.8 | 0.30 | 0.8 | 22.50 | 20.6 |
| **Dominion Malting, Ltd.**<br>**Toronto, Ontario, Canada** | | | | | | | |
| +Dried Brewers Grains | Keene | 22.00 | 22.0 | 6.00 | 7.2 | 20.00 | 14.7 |
| **Doughboy Industries, Inc.**<br>**New Richmond, Wisconsin** | | | | | | | |
| Pulverized White Oats (Pellets) | Keene | 10.00 | 10.7 | 2.50 | 3.9 | 15.00 | 14.2 |
| **Dougherty Feed Co., Inc.**<br>**Louisville, Ohio** | | | | | | | |
| Palmo Midds | Bow Mill | 15.00 | 15.2 | 8.00 | **6.5** | 8.00 | 8.7 |
| +Palmo Midds | Bow Mill | 15.00 | 16.5 | 8.00 | **7.3** | 8.00 | 8.7 |
| **Dow Brewery, Ltd.**<br>**355 Calborne St., Montreal, Que.** | | | | | | | |
| +Dried Brewers Grains | Claremont | 22.00 | **17.5** | 7.00 | 7.1 | 15.00 | **16.3** |
| +Dried Brewers Grains | Claremont | 22.00 | **17.8** | 7.00 | 7.0 | 15.00 | **16.3** |
| **Eastern States Farmers Exchange, Inc.**<br>**W. Springfield, Mass.** | | | | | | | |
| Cashmaker Medicated | Concord | 16.00 | 17.5 | 5.00 | 5.9 | 4.00 | 3.5 |
| Eastern States All Mash Breeder | Woodsville | 16.00 | 17.8 | 4.00 | 5.6 | 4.00 | 3.4 |
| (F)Eastern States Arsanilic Acid Mixture in Eastern States Cashmaker | Manchester | 16.00 | 17.2 | 5.00 | 6.1 | 4.00 | 3.4 |
| Eastern States Arsanilic Acid Mixture in Eastern States Cashmaker | Woodsville | 16.00 | 18.1 | 5.00 | 5.2 | 4.00 | 3.2 |
| Eastern States Arsanilic Acid Mixture Inc. in Eastern States Cashmaker | Manchester | 16.00 | 17.2 | 5.00 | 5.0 | 4.00 | 3.5 |
| Eastern States Arsanilic Acid Mixture in Eastern States Matchmaker | Manchester | 22.00 | 22.0 | 4.50 | 5.1 | 5.00 | 4.4 |
| Eastern States Arsanilic Acid Mixture in Eastern States Pig Primer | Woodsville | 16.00 | 17.5 | 3.00 | 4.1 | 5.50 | 4.6 |
| Eastern States Arsanilic Acid Mixture Inc. in E. S. Pig Primer | Concord | 16.00 | 16.6 | 3.00 | 4.0 | 5.50 | 4.6 |
| (F)Eastern States Calf Starter | Laconia | 20.00 | 23.2 | 3.00 | 3.0 | 6.00 | 5.5 |
| Eastern States Champion | Durham | 14.00 | 14.7 | 2.50 | 2.6 | 7.00 | 5.8 |
| Eastern States Chlortetracycline Mixture in Eastern States Sentinel | Woodsville | 20.00 | 20.8 | 4.00 | 5.1 | 4.00 | 3.7 |
| Eastern States Class Leader | Woodsville | 14.00 | 15.4 | 3.50 | 4.2 | 9.00 | 7.6 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.
(F) Sampled at a Farm.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Eastern States Farmers Exchange** (Continued) | | | | | | | |
| (F)Eastern States Class Leader .... | Woodsville | 14.00 | 15.4 | 3.50 | 4.1 | 9.00 | 7.2 |
| Eastern States Darimore ..... | Woodsville | 16.00 | 18.0 | 2.00 | 3.6 | 12.00 | 10.5 |
| Eastern States Fulpail ..... | Woodsville | 20.00 | 21.5 | 3.00 | 3.4 | 9.00 | 8.0 |
| +Eastern States Furazolidone Mix Inc. in E. S. Defender (Pellets) ..... | Dover | 20.00 | 20.8 | 4.00 | 4.6 | 4.50 | 4.0 |
| +Eastern States Goalmaker (Pellets) ..... | Dover | 16.00 | 18.9 | 4.00 | 5.5 | 4.00 | 3.2 |
| Eastern States Milkmore ..... | Woodsville | 16.00 | 17.8 | 3.50 | 4.4 | 9.00 | 8.0 |
| (F)Eastern States Milkmore ..... | Dover | 16.00 | 17.7 | 3.50 | 4.2 | 9.00 | 7.0 |
| (F)Eastern States Milksaver ..... | Laconia | 24.00 | 26.4 | 1.00 | 1.5 | 1.50 | 0.8 |
| Eastern States Nicarbazin and Arsanilic Acid Mixture in Eastern States Pacemaker .... | Manchester | 20.00 | 20.6 | 5.00 | 5.9 | 4.50 | 3.6 |
| Eastern States Nicarbazin Mixture in Eastern States Finnisher ..... | Manchester | 16.50 | 18.7 | 5.00 | 5.5 | 4.00 | 3.4 |
| Eastern States Rabbettes ..... | Manchester | 18.00 | 19.4 | 2.00 | 3.5 | 16.00 | 10.7 |
| Eastern States Sweepstakes ..... | Woodsville | 16.00 | 17.1 | 3.00 | 3.3 | 8.00 | 6.2 |
| Matchmaker Medicated ..... | Concord | 22.00 | 22.7 | 4.50 | 5.4 | 5.00 | 4.3 |
| Pork Builder ..... | Concord | 14.00 | 14.0 | 3.00 | 3.7 | 4.00 | 3.0 |
| **B. A. Eckhart Milling Co.** **Chicago, Ill.** | | | | | | | |
| Ecko Pure Wheat Bran ..... | Lebanon | 14.00 | 16.1 | 3.50 | 4.3 | 12.00 | 9.5 |
| **Elm City Grain Co.** **Keene, N. H.** | | | | | | | |
| Elm Tree All Mash Layer ..... | Keene | 16.00 | 16.6 | 3.50 | 3.6 | 7.00 | 5.8 |
| Elm Tree Chick Starter ..... | Keene | 20.00 | 20.7 | 4.00 | 4.1 | 4.50 | 4.4 |
| Elm Tree Dairy Feed ..... | Keene | 18.00 | 19.0 | 3.00 | 3.4 | 10.00 | 8.4 |
| Elm Tree 14% Fitting Ration .. | Keene | 14.00 | 15.3 | 3.00 | 3.5 | 10.00 | 8.8 |
| Elm Tree Hi-Eff Breeder ..... | Keene | 16.00 | 16.0 | 3.50 | 4.6 | 5.00 | 5.0 |
| Elm Tree Hi-Eff Grower ..... | Keene | 15.00 | 16.4 | 3.50 | 4.3 | 5.50 | 4.8 |
| Elm Tree Hi-Eff Layer ..... | Keene | 15.00 | 16.5 | 3.50 | 4.4 | 5.50 | 5.1 |
| Elm Tree Hi-Lo Starter & Broiler ..... | Keene | 20.00 | 20.0 | 3.50 | 4.0 | 4.50 | 4.8 |
| Elm Tree Laying Mash ..... | Keene | 20.00 | 22.4 | 3.50 | 3.9 | 7.50 | 6.1 |
| (F)**Elm Tree Markitop 16% Dairy ..... | Dublin | 16.00 | 16.3 | 2.50 | 2.8 | 8.50 | 8.8 |
| **Elm Tree Markitop 16% Dairy .. | Marlboro | 16.00 | **15.4** | 2.50 | 2.7 | 8.50 | **10.4** |
| Elm Tree Markitop 14% Dairy Feed ..... | Keene | 14.00 | 14.0 | 3.00 | 3.1 | 8.00 | 8.4 |
| Elm Tree Markitop 16% Dairy Feed ..... | Keene | 16.00 | 17.6 | 2.50 | 3.0 | 8.50 | 9.0 |
| Elm Tree Markitop 20% Dairy Feed ..... | Keene | 20.00 | 21.8 | 3.00 | 2.8 | 8.50 | 6.5 |
| Elm Tree Pig & Hog Feed ..... | Keene | 14.00 | 16.6 | 3.50 | 3.5 | 8.00 | 5.3 |
| Elm Tree Pig & Hog Feed ..... | Keene | 14.00 | 16.0 | 3.50 | 3.6 | 8.00 | 5.4 |
| Elm Tree Provender ..... | Keene | 10.00 | 11.6 | 3.50 | 4.4 | 8.00 | 7.1 |

* Protein and fat not less than, crude fiber not more than.
(F) Sampled at a Farm.
\+ Not registered when sampled.
** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Elmore Milling Co., Inc.**<br>**Oneonta, N. Y.** | | | | | | | |
| Elmore Breeder Mash | Derry | 20.00 | 20.1 | 3.00 | 4.2 | 6.00 | 4.4 |
| Elmore Breeder Mash | Derry | 20.00 | 22.3 | 3.50 | 4.0 | 6.00 | 4.9 |
| Elmore Complete Breeder Ration | Derry | 16.00 | 16.8 | 3.00 | 3.9 | 5.00 | 4.1 |
| Elmore Complete Breeder Ration | Derry | 16.00 | 16.7 | 3.00 | 5.0 | 5.00 | 4.0 |
| Elmore Growing Mash | Derry | 18.00 | **17.2** | 2.50 | 3.8 | 6.00 | 6.0 |
| Elmore Pacemaker Fitting Ration 14% | Derry | 14.00 | 14.8 | 3.00 | 3.2 | 9.00 | 9.0 |
| **John W. Eshelman & Sons**<br>**Lancaster, Pa.** | | | | | | | |
| Eshelman Red Rose 16 Dairy Feed | Keene | 16.00 | 17.6 | 3.50 | 3.6 | 9.50 | 8.2 |
| Eshelman Red Rose Fitting Ration | Keene | 12.00 | 14.4 | 3.50 | 3.5 | 7.00 | 6.6 |
| Eshelman Red Rose Horse Feed | Keene | 9.00 | 12.9 | 3.00 | 3.5 | 10.00 | 5.6 |
| Eshelman Red Rose Rabbit Pellets | Keene | 18.00 | 18.3 | 3.00 | 3.6 | 12.00 | 9.2 |
| Pennsy Laying Mash | Keene | 20.00 | 21.0 | 3.50 | 4.9 | 8.00 | 5.3 |
| Red Rose Calf Starter | Keene | 18.00 | 18.8 | 3.00 | 3.3 | 8.00 | 7.3 |
| Red Rose Complete Breeder | Keene | 16.00 | 18.6 | 3.50 | 5.0 | 4.50 | 4.0 |
| Red Rose Complete Breeder Ration | Keene | 16.00 | 17.8 | 4.00 | 4.9 | 4.50 | 4.0 |
| Red Rose Complete Laying Ration | Keene | 16.00 | 17.1 | 4.00 | 5.1 | 4.50 | 4.0 |
| +Red Rose Poultry Booster Pellets | Keene | 25.00 | 26.0 | 3.50 | 4.2 | 6.00 | 4.7 |
| **Farm Bureau Brand Feeds, Farm Bureau Association**<br>**Waltham, Mass.** | | | | | | | |
| (F)+Complete Developer Mash | Mt. Vernon | 16.00 | 17.1 | 3.50 | 4.6 | 4.50 | 3.9 |
| (F)+Complete Market Egg Mash | Mt. Vernon | 16.00 | 16.1 | 3.50 | 4.6 | 4.50 | 3.9 |
| (F)+14% Dairy Ration "Fine" | Mt. Vernon | 14.00 | 14.6 | 3.50 | 4.6 | 8.00 | 5.3 |
| (F)+16% Dairy Ration "Fine" | New Boston | 16.00 | 17.0 | 3.50 | 3.9 | 8.50 | 4.2 |
| (F)+Finisher Mash | Mt. Vernon | 17.50 | 17.9 | 4.00 | 4.2 | 4.50 | 3.2 |
| (F)+Hog Feed | Mt. Vernon | 14.00 | 14.0 | 3.50 | 4.6 | 6.50 | 6.3 |
| **Farm Bureau Coop Assn., Inc.**<br>**Columbus, Ohio** | | | | | | | |
| Dehydrated Alfalfa Meal | Manchester | 17.00 | 18.1 | 1.50 | 3.0 | 27.00 | 23.9 |
| **Farmers Feed Co.**<br>**Brooklyn, N. Y.** | | | | | | | |
| Bull Brand Brewers Dried Grains | Claremont | 26.00 | 27.1 | 6.00 | 8.0 | 17.00 | 13.6 |
| **Farmers Grain & Feed Co.**<br>**Morrisville, Vt.** | | | | | | | |
| Windsor Special 16% Dairy | Newport | 16.00 | 17.6 | 3.00 | 3.4 | 9.00 | 7.3 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Florida Citrus Canners Cooperative**<br>**Lake Wales, Florida** | | | | | | | |
| Lake Wales Brand Citrus Pulp .. | Lebanon | 6.00 | 6.3 | 2.00 | 2.1 | 16.00 | 11.6 |
| **Fowler Bros., Inc.**<br>**Suncook, N. H.** | | | | | | | |
| Nicarbazin Mixture in Sun Valley Hi-Energy Starter and Broiler Mash ..... | Suncook | 20.00 | 20.9 | 3.00 | 4.8 | 4.00 | 4.0 |
| Sun Valley Dairy Ration ..... | Suncook | 16.00 | 17.3 | 2.50 | 4.8 | 10.00 | 7.6 |
| Sun Valley Hi-Energy All Mash Breeder ..... | Suncook | 15.00 | 15.6 | 3.00 | 5.7 | 4.50 | 3.9 |
| **General Mills, Inc.**<br>**Minn., Minn.** | | | | | | | |
| Gold Medal Hi-Efficiency Breeder Mash ..... | Exeter | 20.00 | 20.5 | 3.00 | 4.8 | 5.00 | 4.2 |
| Gold Medal Hi-Efficiency Complete Breeder Mash ..... | Exeter | 16.00 | 16.5 | 3.00 | 4.9 | 5.00 | 4.4 |
| Gold Medal Scratch Feed ..... | Exeter | 9.50 | 10.3 | 2.50 | 2.7 | 5.00 | 3.3 |
| Gold Medal 20% Super Dairy Feed ..... | Exeter | 20.00 | 23.9 | 3.00 | 3.0 | 10.00 | 7.8 |
| Larro All Purpose Poultry Wormer ..... | Exeter | 20.00 | 20.0 | 2.50 | 3.8 | 5.50 | 5.4 |
| Larro Antibiotic Mix in Surelift | Exeter | 16.00 | 18.0 | 3.00 | 3.0 | 3.50 | 3.5 |
| Larro Nicarbazin with Arsonic Growth Stimulant in Surebroiler Finisher 23 ..... | Exeter | 23.00 | 23.0 | 6.50 | **5.8** | 2.50 | 2.6 |
| Larro Nicarbazin with Chlortetracycline Mixture (100 gr.) in Special Surebroiler Starter | Laconia | 20.00 | 22.2 | 3.00 | 3.5 | 3.50 | 2.9 |
| Larro Nicarbazin Mix in Surechick ..... | Exeter | 20.00 | 21.0 | 3.50 | 4.0 | 5.00 | 4.0 |
| Larro Nicarbazin in Special Surebroiler Starter ..... | Exeter | 20.00 | 21.7 | 3.00 | 3.7 | 3.50 | 2.9 |
| Larro Poultry Surehatch H-E ... | Exeter | 20.00 | **20.0** | 2.50 | 3.9 | 5.50 | 4.8 |
| Larro Poultry Surehatch Complete H-E ..... | Exeter | 16.00 | 16.9 | 2.50 | 3.6 | 5.00 | 3.7 |
| Larro Scratch Grains ..... | Exeter | 9.00 | 9.1 | 2.00 | 2.6 | 5.00 | 3.3 |
| Larro Surebroiler Finisher 23 (NCB-AGS) Medicated ..... | Exeter | 23.00 | 24.5 | 6.50 | 6.5 | 2.50 | 2.2 |
| Larro Surebroiler Starter 26 (NCB-AGS) Medicated ..... | Exeter | 26.00 | 28.3 | 6.50 | 6.5 | 2.50 | 2.5 |
| +Larro Surelay "H-E" ..... | Exeter | 20.00 | 20.8 | 2.50 | 3.4 | 5.50 | 4.9 |
| +Larro Surelay Complete H-E .... | Exeter | 16.00 | 16.6 | 2.50 | 3.3 | 5.00 | 4.9 |
| Larro Suremilk 14 ..... | Exeter | 14.00 | 14.9 | 3.00 | 3.1 | 9.00 | 9.0 |
| Larro Suremilk 16 ..... | Exeter | 16.00 | 16.1 | 3.00 | 3.1 | 9.00 | 8.4 |
| Larro Suremilk 20 ..... | Lancaster | 20.00 | 21.6 | 3.00 | 3.9 | 9.00 | 8.2 |
| Medicated Poultry Surelift (P-105) Pelleted ..... | Laconia | 27.50 | 29.7 | 5.50 | 6.3 | 3.00 | 2.5 |
| Nicarbazin with Arsonic Growth Stimulant in Larro Surebroiler Starter ..... | Exeter | 20.00 | 21.6 | 3.00 | 4.5 | 3.50 | 2.3 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **General Mills, Inc.** (Continued) | | | | | | | |
| Nicarbazin with Arsonic Growth Stimulant in Surebroiler Finisher | Exeter | 20.00 | 22.0 | 2.50 | 3.7 | 5.50 | 3.1 |
| Nicarbazin Mixture in Gold Medal Chick Starter | Exeter | 20.00 | 20.7 | 3.00 | 4.3 | 7.00 | 7.0 |
| Washburn's Gold Medal Wheat Bran and Ground Wheat Screenings Not Exceeding Mill Run | Enfield | 14.00 | 14.9 | 3.50 | 4.0 | 12.00 | 9.4 |
| **Glidden Co.** **Chicago, Illinois** | | | | | | | |
| Glidden Soybean Oil Meal | Bow Mill | 44.00 | 47.7 | 0.50 | 1.2 | 7.00 | 4.8 |
| **Gloucester By-Products, Inc.** **Gloucester, Mass.** | | | | | | | |
| +Globpro Brand Fish Meal | Manchester | 60.00 | 62.0 | 8.00 | 12.5 | 1.00 | 0.1 |
| Globpro Fish Meal | Manchester | 60.00 | 62.5 | 8.00 | 12.1 | 1.00 | 0.4 |
| **Hales & Hunter Co.** **Chicago, Ill.** | | | | | | | |
| Pioneer Dairy Production 16 | Lebanon | 16.00 | 16.5 | 3.00 | 3.2 | 8.00 | 6.5 |
| Pioneer Dairy Production 18 | Lebanon | 18.00 | 18.4 | 3.00 | **2.7** | 8.00 | 6.7 |
| Pioneer Dry & Freshening | Lebanon | 12.00 | 12.6 | 2.50 | 3.4 | 8.00 | 7.1 |
| Pioneer Horse Feed | Lebanon | 12.00 | 13.4 | 2.50 | 3.4 | 8.00 | 6.1 |
| Red Comb All Mash Layer | Lebanon | 17.00 | 17.2 | 3.50 | 5.3 | 5.50 | 5.0 |
| Red Comb Egg Mash | Lebanon | 20.00 | 21.6 | 3.50 | 3.7 | 6.50 | 5.4 |
| Red Comb Growing Mash | Lebanon | 18.00 | 18.2 | 3.00 | 5.2 | 7.00 | 5.7 |
| Red Comb .015% Nicarbazin Mixture in Red Comb Growing Mash | Lebanon | 18.00 | 18.3 | 3.00 | 4.3 | 7.00 | 6.7 |
| **Harper Feed Mills** **Washington, Pa.** | | | | | | | |
| Harco Laying Mash | Derry | 20.00 | 19.5 | 3.50 | 4.2 | 6.00 | 5.9 |
| Harco Special Short Feed | Derry | 15.00 | 16.5 | 3.00 | 3.7 | 5.50 | 5.4 |
| Top Profit Scratch Grains | Derry | 9.00 | 10.9 | 2.00 | 3.1 | 5.00 | 5.3 |
| **Hi Pro Association, Inc.** **Frankford, Delaware** | | | | | | | |
| +Hydrolyzed Poultry Feathers | Manchester | 85.00 | 85.0 | 0.50 | 1.4 | 1.50 | 0.4 |
| **E. C. & W. L. Hopkins Co.** **Greenfield, N. H.** | | | | | | | |
| Chlortetracycline Mixture in Granite State Booster | Hillsboro | 20.00 | 21.4 | 3.00 | 4.3 | 4.00 | 4.0 |
| Granite State Broiler Mash Medicated | Nashua | 21.00 | 20.5 | 4.00 | 6.1 | 4.50 | 3.6 |
| Granite State Complete Mash | Hillsboro | 15.00 | 15.8 | 3.00 | 4.6 | 7.00 | 5.1 |
| **Granite State 16% Dairy Feed.. | Hillsboro | 16.00 | 16.1 | 3.50 | 4.2 | 9.00 | 6.8 |
| Granite State 16% Dairy Feed.. | Greenfield | 16.00 | 18.2 | 3.50 | 4.4 | 9.00 | 6.5 |
| Granite State 20% Dairy Feed.. | Hillsboro | 20.00 | 20.0 | 4.00 | **3.2** | 10.00 | 7.7 |

+ Not registered when sampled.
* Protein and fat not less than, crude fiber not more than.
** Sampled from Bulk Shipments.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **E. C. & W. L. Hopkins Co.** (Continued) | | | | | | | |
| Granite State 20% Dairy Feed.. | Hillsboro | 20.00 | 22.5 | 3.50 | 4.2 | 10.00 | 6.0 |
| Granite State Egg Mash ..... | Hillsboro | 20.00 | 21.7 | 4.00 | 4.2 | 7.50 | 6.7 |
| Granite State Egg Mash ..... | Greenfield | 20.00 | 20.0 | 4.00 | 4.1 | 7.50 | 6.3 |
| Granite State Fitting Ration .... | Nashua | 14.00 | 14.6 | 3.00 | 4.0 | 8.00 | 5.8 |
| +Granite State High Energy Breeder Mash ..... | Greenfield | 16.00 | 16.7 | 3.00 | 4.6 | 4.00 | 3.6 |
| **Granite State High Energy Complete Breeder ..... | Hillsboro | 16.00 | 15.1 | 3.00 | 4.8 | 4.00 | 3.4 |
| **Granite State Hi Energy Complete Growing Mash ..... | Peterboro | 16.00 | 17.0 | 3.00 | 4.3 | 4.00 | 3.2 |
| **Granite State Hi Energy Complete Laying Mash ..... | No. Weare | 16.00 | 16.0 | 3.50 | 4.1 | 4.50 | 3.3 |
| +Granite State High Energy Laying Mash ..... | Greenfield | 16.00 | 16.9 | 3.00 | 4.6 | 4.50 | 3.7 |
| **Granite State High Energy Laying Mash ..... | Greenfield | 16.00 | 16.7 | 3.00 | 4.1 | 4.50 | 3.4 |
| **Granite State High Energy Laying Mash ..... | Greenfield | 16.00 | 16.5 | 3.00 | 4.0 | 4.50 | 3.2 |
| Granite State Scratch Grains .... | Dover | 10.00 | 10.7 | 2.50 | 2.5 | 5.00 | 2.8 |
| Granite State Stock Feed ..... | Hillsboro | 7.50 | 8.3 | 2.50 | 5.7 | 10.00 | 9.8 |
| Nicarbazin-Arsanilic Acid Mixture in Granite State Broiler Mash ..... | Nashua | 20.00 | 20.5 | 3.50 | 4.9 | 4.50 | 3.3 |
| Provender ..... | Hillsboro | 9.00 | 9.4 | 2.50 | 3.5 | 10.00 | 5.9 |
| Sulfaquinoxaline Mixture Mixed with Granite State Chick Starter ..... | Greenfield | 20.00 | 21.1 | 3.00 | 3.9 | 6.50 | 3.7 |
| **International Milling Co.<br>Minneapolis 1, Minn.** | | | | | | | |
| Blackhawk Wheat Standard Middlings with Ground Wheat Screening Not Exceeding Mill Run ..... | Derry | 14.00 | 15.1 | 3.00 | 4.4 | 9.50 | 6.5 |
| **R. P. Johnson and Son<br>Potter Place, N. H.** | | | | | | | |
| Johnson's Complete Laying Mash ..... | Potter Place | 15.00 | 16.1 | 3.00 | 3.2 | 8.00 | 7.6 |
| Johnson's Dairy Feed ..... | Potter Place | 16.00 | 18.0 | 3.00 | 3.8 | 9.00 | 6.2 |
| Johnson's Laying Mash ..... | Potter Place | 18.00 | 18.7 | 4.00 | 4.0 | 8.00 | 5.5 |
| Johnson's Pig & Hog Feed ..... | Potter Place | 15.00 | 17.4 | 2.00 | 3.8 | 7.00 | 5.2 |
| **Keystone Dehydrators<br>Nazareth, Penna.** | | | | | | | |
| Keystone Super Green Dehy'd Alfalfa Meal ..... | Bow Mill | 17.00 | 17.8 | 2.00 | 2.3 | 27.00 | 29.1 |
| **H. C. Knoke and Co.<br>Chicago, Ill.** | | | | | | | |
| Barley Feed ..... | Manchester | 12.00 | 13.0 | 3.00 | 3.6 | 16.00 | 15.3 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.
** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Kuder Pulp Sales Co.**<br>**Lake Alfred, Fla.** | | | | | | | |
| Kuder Dried Citrus Pulp | Colebrook | 6.00 | 6.1 | 3.00 | 1.9 | 13.00 | 10.3 |
| +Kuder Dried Citrus Pulp High Sugar | Manchester | 6.00 | 6.0 | 5.00 | 3.6 | 13.00 | 10.3 |
| **L. B. Lovitt & Company**<br>**Memphis Tenn.** | | | | | | | |
| "Lovit Brand" 41% Protein Cottonseed Meal | Derry | 41.00 | 41.1 | 3.00 | 3.6 | 14.00 | 12.4 |
| **Maine Marine Products, Inc.**<br>**Portland, Me.** | | | | | | | |
| Maine Concentrate | Suncook | 50.00 | 54.4 | 10.00 | 17.2 | 1.00 | 0.4 |
| Maine Sea Horse Fish Concentrate | Bow Mill | 60.00 | 63.8 | 8.00 | 12.0 | 1.00 | 0.2 |
| **Maine Reduction Co., Inc.**<br>**Brooks, Maine** | | | | | | | |
| +Hydrolized Feather Meal—with Blood added | Manchester | 85.00 | 88.5 | 1.00 | 2.1 | 3.00 | 0.7 |
| **Maple Leaf Milling Co.**<br>**Toronto, Canada** | | | | | | | |
| Rex Wheat Bran | Concord | 14.00 | 15.3 | 3.50 | 4.4 | 12.00 | 9.0 |
| **Maritime Milling Co., Inc.**<br>**Buffalo 2, N. Y.** | | | | | | | |
| +Arsanilic Acid and Nicarbazin Mixture in B-B MaCo Broiler Ration | Newport | 22.00 | 22.8 | 4.50 | 4.5 | 3.00 | 2.9 |
| +Arsanilic Acid Mixture in MaCo Broiler Finishing Ration | Hillsboro | 21.00 | 22.4 | 4.00 | 4.2 | 3.00 | 2.2 |
| **Merrimack Farmers' Exchange, Inc.**<br>**Concord, N. H.** | | | | | | | |
| Arsanilic Acid Mixture in Merrimack Fast Gro Starter and Broiler | Derry | 20.00 | 20.0 | 3.00 | 3.5 | 4.50 | 3.8 |
| Chlortetracycline and Oxytetracycline Mixture in High-Level Antibiotic Mash | Exeter | 20.00 | 21.1 | 2.50 | 3.6 | 4.50 | 3.8 |
| Chlortetracycline, Oxytetracycline and Nicarbazin Mixture in Merrimack High Level Antibiotic Mash | Derry | 20.00 | 20.2 | 2.50 | 3.4 | 4.50 | 4.1 |
| 16% (Fine) Dairy Ration | Bow Mill | 16.00 | 16.9 | 2.75 | 3.2 | 10.00 | 7.2 |
| **Merrimack All Mash | New London | 15.00 | 16.5 | 3.50 | 4.2 | 7.00 | 6.2 |
| (F)Merrimack All Mash | Manchester | 15.00 | 16.6 | 3.50 | 4.2 | 7.00 | 6.3 |
| (F)Merrimack All Mash | Wolfeboro | 15.00 | 17.1 | 3.50 | 4.1 | 7.00 | 6.5 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.
** Sampled from Bulk Shipments.
(F) Sampled at a Farm.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Merrimack Farmers' Exchange, Inc.** (Continued) | | | | | | | |
| (F)Merrimack All Mash | Manchester | 15.00 | 16.3 | 3.50 | 4.5 | 7.00 | 5.7 |
| Merrimack Blue Ribbon 16% Dairy Ration | Exeter | 16.00 | **14.5** | 3.50 | 4.0 | 9.00 | 5.0 |
| **Merrimack Breeder Mash | Nashua | 20.00 | 20.4 | 3.00 | 4.1 | 4.50 | 3.8 |
| (F)Merrimack Breeder Mash | Wolfeboro | 20.00 | 21.4 | 3.00 | 4.1 | 4.50 | 4.1 |
| Merrimack Calf Starter and Growing Ration | Plymouth | 12.00 | 13.8 | 2.75 | 3.6 | 12.00 | 7.8 |
| Merrimack Calving Ration | Plymouth | 12.00 | 13.6 | 2.75 | 3.2 | 15.00 | 11.0 |
| Merrimack Chick Feed | Derry | 9.00 | 9.0 | 2.50 | **2.2** | 5.00 | 1.7 |
| Merrimack Chick Starter | Nashua | 20.00 | 20.8 | 2.50 | 4.0 | 6.00 | 5.5 |
| **Merrimack Complete Grower (Pellets) | New London | 15.00 | 15.6 | 3.00 | 4.3 | 8.00 | 5.9 |
| Merrimack Complete Grower-Layer | Bow Mill | 16.00 | 16.2 | 3.00 | 4.2 | 7.00 | 7.0 |
| Merrimack Complete Layer | Plymouth | 15.00 | 15.5 | 3.00 | 4.1 | 7.00 | 5.6 |
| **Merrimack Complete Layer | Rumney | 15.00 | 15.1 | 3.00 | 4.0 | 7.00 | 3.8 |
| Merrimack Conditioner Pellets | Franklin | 17.00 | 20.2 | 2.50 | 3.5 | 8.00 | 5.5 |
| **Merrimack 16% Dairy Fine | Claremont | 16.00 | 16.5 | 2.75 | 3.5 | 10.00 | 8.1 |
| Merrimack 16% Dairy Ration | Plymouth | 16.00 | 15.5 | 3.50 | 3.6 | 9.00 | 7.9 |
| **Merrimack 16% Dairy Ration | Epping | 16.00 | 17.3 | 3.50 | 3.6 | 9.00 | 8.2 |
| **Merrimack 16% Dairy Ration | Claremont | 16.00 | 15.7 | 3.50 | 3.8 | 9.00 | 7.6 |
| (F)Merrimack 16% Dairy Ration | Laconia | 16.00 | 16.5 | 3.50 | 4.0 | 9.00 | 7.6 |
| **Merrimack 20% Dairy Ration | Henniker | 20.00 | 20.3 | 3.50 | 4.2 | 8.50 | 7.5 |
| Merrimack Extra Production Super Mash Medicated | Laconia | 16.00 | 16.3 | 2.50 | 3.7 | 4.50 | 4.4 |
| (F)Merrimack 14% Fitting Ration | Laconia | 14.00 | 14.6 | 3.50 | 3.8 | 9.00 | 7.0 |
| (F)Merrimack 14% Fitting Ration | Manchester | 14.00 | 14.4 | 3.50 | 3.6 | 9.00 | 7.1 |
| (F)**Merrimack 14% Fitting Ration | Nashua | 14.00 | 14.4 | 3.50 | 4.0 | 9.00 | 8.7 |
| **Merrimack 14% Fitting Ration | Goffstown | 14.00 | 15.7 | 3.50 | 4.0 | 9.00 | 7.6 |
| **Merrimack 14% Fitting Ration | Plymouth | 14.00 | 15.2 | 3.50 | 3.8 | 9.00 | 7.4 |
| **Merrimack 14% Fitting Ration | Peterboro | 14.00 | 14.3 | 3.50 | 3.6 | 9.00 | 6.8 |
| (F)Merrimack 14% Fitting Ration | Durham | 14.00 | 14.7 | 3.50 | 3.7 | 9.00 | 6.6 |
| (F)Merrimack 14% Fitting Ration | Benton | 14.00 | 15.6 | 3.50 | 3.6 | 9.00 | 6.5 |
| (F)**Merrimack 14% Fitting Ration | Laconia | 14.00 | 15.8 | 3.50 | 3.8 | 9.00 | 8.4 |
| (F)Merrimack 14% Fitting Ration | Manchester | 14.00 | 15.4 | 3.50 | 3.6 | 9.00 | 6.8 |
| (F)Merrimack 14% Fitting Ration | Laconia | 14.00 | 17.0 | 3.50 | 3.8 | 9.00 | 6.0 |
| **Merrimack 14% Fitting Ration | Bow Mill | 14.00 | 16.6 | 3.50 | 3.8 | 9.00 | 6.6 |
| Merrimack Fodder Ration | Claremont | 10.00 | 13.3 | 1.50 | 1.7 | 20.00 | 15.5 |
| Merrimack Fodder Ration | Bow Mill | 10.00 | 11.8 | 1.50 | 1.7 | 20.00 | 16.9 |
| (F)Merrimack Game Bird and Turkey Breeder | Brentwood | 24.00 | 24.2 | 3.00 | 5.2 | 6.00 | 4.7 |
| +Merrimack Growing Mash | Bow Mill | 19.00 | 19.6 | 3.00 | 4.1 | 4.50 | 3.7 |
| **Merrimack Hi-F Grower | Rumney | 16.00 | 16.4 | 2.50 | 3.4 | 4.50 | 4.4 |
| Merrimack Hi-F Grower-Layer | Laconia | 16.00 | **15.4** | 2.50 | 3.4 | 4.50 | 3.7 |
| **Merrimack Hi-F Layer | Newbury | 15.00 | 15.3 | 2.50 | 3.3 | 4.50 | 3.8 |
| Merrimack Hi-F Layer | Plymouth | 15.00 | 15.5 | 2.50 | 3.2 | 4.50 | 3.7 |
| (F)**Merrimack Hi-F Layer | Nashua | 15.00 | 15.1 | 2.50 | 3.2 | 4.50 | 3.8 |
| **Merrimack Hi-F Layer | Mt. Vernon | 15.00 | 15.4 | 2.50 | 3.2 | 4.50 | 3.6 |

* Protein and fat not less than, crude fiber not more than.
(F) Sampled at a Farm.
** Sampled from Bulk Shipments.
+ Not registered when sampled.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Merrimack Farmers' Exchange, Inc.** (Continued) | | | | | | | |
| (F)**Merrimack Hi-F Layer | Dublin | 15.00 | 16.5 | 2.50 | 3.2 | 4.50 | 3.7 |
| (F)**Merrimack Hi-F Layer | Dublin | 15.00 | 15.8 | 2.50 | 3.2 | 4.50 | 3.8 |
| **Merrimack Hi-F Layer | Laconia | 15.00 | 16.0 | 2.50 | 3.4 | 4.50 | 4.0 |
| Merrimack Horse Feed | Derry | 11.00 | 11.1 | 3.25 | 3.9 | 10.00 | 6.7 |
| Merrimack Laying Mash | Plymouth | 20.00 | 20.2 | 3.50 | 4.3 | 5.00 | 3.2 |
| Merrimack 12% Pasture Ration | Claremont | 12.00 | 13.5 | 3.00 | 3.1 | 10.00 | 7.9 |
| Merrimack Pig Feed | Plymouth | 17.00 | 16.6 | 3.00 | 4.4 | 7.00 | 6.1 |
| (F)Merrimack Pig Feed | Manchester | 17.00 | 17.4 | 3.00 | 4.5 | 7.00 | 7.0 |
| Merrimack Pig Feed | Claremont | 17.00 | 17.4 | 3.00 | 4.1 | 7.00 | 7.0 |
| Merrimack Pig Feed | Bow Mill | 17.00 | 17.1 | 3.00 | 4.6 | 7.00 | 6.6 |
| (F)Merrimack Pig Feed | Manchester | 17.00 | 17.2 | 3.00 | 4.8 | 7.00 | 6.0 |
| Merrimack Poultry Fitting Ration | Bow Mill | 13.50 | 13.6 | 2.50 | 3.1 | 8.00 | 4.5 |
| Merrimack Provender | Bradford | 9.00 | 9.7 | 3.00 | 3.6 | 10.00 | 5.0 |
| Merrimack Sheep and Goat Ration | Bradford | 14.00 | 14.7 | 2.50 | 3.3 | 9.00 | 5.7 |
| (F)Merrimack 18% Special Dairy Ration | Ossipee | 18.00 | 18.8 | 3.50 | 4.0 | 8.50 | 7.4 |
| Merrimack 18% Special Dairy Ration | Claremont | 18.00 | 18.0 | 3.50 | 3.8 | 8.50 | 8.2 |
| (F)Merrimack 18% Special Dairy Ration | Manchester | 18.00 | 18.6 | 3.50 | 3.7 | 8.50 | 6.9 |
| Merrimack Stock Feed | Plymouth | 9.00 | 11.6 | 2.50 | 3.3 | 12.00 | 9.6 |
| **Merrimack Super Mash | New Boston | 16.00 | 16.7 | 2.50 | 3.6 | 4.50 | 4.2 |
| **Merrimack Super Mash | Walpole | 16.00 | 16.5 | 2.50 | 3.7 | 4.50 | 4.2 |
| Merrimack Turkey Growing Mash | Plymouth | 22.00 | 24.3 | 2.50 | 3.3 | 4.50 | 4.4 |
| Merrimack White Mountain Dairy | Plymouth | 16.00 | **14.7** | 2.00 | 2.6 | 12.00 | 9.6 |
| (F)**Merrimack White Mountain Dairy | Tilton | 16.00 | 16.2 | 3.00 | 3.5 | 10.00 | 7.5 |
| Merrimack Worm Control Mixture | Plymouth | 15.00 | 16.0 | 3.00 | 4.0 | 8.00 | 4.8 |
| Nicarbazin and Arsanilic Acid Mixture in Merrimack Fast-Gro Starter and Broiler | Exeter | 20.00 | 23.2 | 3.00 | 3.2 | 4.50 | 4.3 |
| Nicarbazin Mixture Inc. in Merrimack Chick Starter | Exeter | 20.00 | 21.1 | 2.50 | 3.8 | 6.00 | 4.6 |
| Sulfaquinoxaline Mixture in Merrimack All Mash | Franklin | 15.00 | 16.5 | 3.50 | 4.1 | 7.00 | 6.2 |
| (F)+Sulfaquinoxaline Mixture in Merrimack Game Bird Starter | Brentwood | 27.00 | 28.0 | 3.00 | 4.5 | 7.00 | 5.9 |
| Sulfaquinoxaline Mixture in Merrimack Hi-F Grower | Derry | 16.00 | 16.6 | 2.50 | 3.8 | 4.50 | 4.2 |
| **Miller Alfalfa Co.** **Defiance, Ohio** | | | | | | | |
| Dehydrated Alfalfa Meal (Pellets) | Dover | 17.00 | 17.9 | 1.50 | 2.9 | 27.00 | 22.3 |

* Protein and fat not less than, crude fiber not more than.
(F) Sampled at a Farm.
** Sampled from Bulk Shipments.
+ Not registered when sampled.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Miner-Hillard Milling Co.** **Wilkes-Barre, Pa.** | | | | | | | |
| Choice Steam Cooked Hominy Feed | Manchester | 10.00 | 10.4 | 5.00 | 5.3 | 5.00 | 4.1 |
| **Minute Maid Corp.** **Plymouth, Florida** | | | | | | | |
| Golden Isle Citrus Pulp | Plymouth | 5.50 | 6.1 | 2.75 | **2.0** | 15.00 | 12.2 |
| Golden Isle Citrus Pulp | Plymouth | 5.50 | 5.7 | 2.75 | **2.2** | 15.00 | 11.1 |
| Golden Isle Citrus Pulp | Bow Mill | 5.50 | 6.0 | 2.75 | **2.1** | 15.00 | 11.5 |
| **Mowat Wilson Co.** **Detroit, Michigan** | | | | | | | |
| Dried Beet Pulp | Lebanon | 7.00 | 8.3 | 0.30 | 0.5 | 22.50 | 19.1 |
| Dried Molasses — Beet Pulp | Derry | 7.00 | 10.1 | 0.30 | 0.3 | 20.00 | 14.6 |
| Dried Molasses — Beet Pulp | Bow Mill | 7.00 | 8.9 | 0.30 | 0.5 | 20.00 | 15.9 |
| **National Alfalfa Dehydrating & Milling Co.** **Lamar, Colorado** | | | | | | | |
| Jack Rabbit 17% Dehydrated Alfalfa Granules | Keene | 17.00 | 17.0 | 1.50 | 2.6 | 27.00 | 21.1 |
| **National Distillers Products Corp.** **99 Park Ave., N. Y.** | | | | | | | |
| Nadrisol Brand Corn Distillers Dried Solubles | Suncook | 25.00 | 28.0 | 6.00 | 6.1 | 4.00 | 2.5 |
| **The Neumond Co.** **St. Louis, Mo.** | | | | | | | |
| +Neumond's 13% Suncured Alfalfa Meal | Claremont | 13.00 | 13.5 | 1.00 | 1.6 | 33.00 | 28.7 |
| **Northern Ohio Sugar Co.** **Freemont, Ohio** | | | | | | | |
| G. W. Dried Beet Pulp | Manchester | 7.00 | 8.9 | 0.30 | 0.5 | 22.50 | 18.2 |
| **Ogden Grain Co.** **Utica, N. Y.** | | | | | | | |
| Ogden Breeder Mash | Salem Depot | 20.00 | 20.0 | 4.50 | 5.2 | 5.00 | 4.6 |
| (F)Ogden Complete Starter-Grower-Layer-Breeder | Grasmere | 16.00 | 17.2 | 3.00 | 3.7 | 6.50 | 6.7 |
| Ogden Complete Starter-Grower-Layer-Breeder | Manchester | 16.00 | 16.0 | 3.00 | 3.5 | 6.50 | 5.7 |
| Ogden Hi-Energy Laying Mash | Salem Depot | 16.00 | 16.6 | 4.00 | 4.7 | 4.50 | 4.2 |
| Ogden Rabbit Pellets | Salem Depot | 18.00 | 18.1 | 3.00 | 3.4 | 12.00 | 10.0 |
| Ogden Scratch Grains | Salem Depot | 9.00 | 10.1 | 3.00 | 3.0 | 6.00 | 2.9 |
| Ogden U-T-K Fitting Ration | Salem Depot | 14.00 | 15.5 | 3.00 | 3.8 | 12.00 | 9.6 |
| Ogden U-T-K Fitting Ration | Salem Depot | 14.00 | 15.5 | 3.00 | 4.1 | 12.00 | 9.0 |
| Ogden U-T-K Sweet 14% | Salem Depot | 14.00 | 16.9 | 3.00 | 3.6 | 11.00 | 8.2 |
| Ogden U-T-K Sweet 16% | Salem Depot | 16.00 | 17.6 | 3.00 | 3.6 | 12.00 | 9.5 |
| Ogden U-T-K Sweet 16% | Salem Depot | 16.00 | 18.5 | 3.00 | 4.0 | 12.00 | 9.1 |

* Protein and fat not less than, crude fiber not more than.
(F) Sampled at a Farm.
+ Not registered when sampled.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Park & Pollard Co.** | | | | | | | |
| **Buffalo, N. Y.** | | | | | | | |
| Corn & Oats Half & Half | Lebanon | 10.00 | 10.0 | 3.00 | 3.6 | 8.00 | 6.1 |
| Furazolidone and Chlortetracycline Mixture in Lay or Bust T. N. T. | Lebanon | 22.00 | 24.4 | 3.00 | 4.0 | 5.00 | 4.7 |
| Green Acres 14% | Lebanon | 14.00 | 15.5 | 3.00 | 3.7 | 11.00 | 11.7 |
| +Hi-Prime Complete Turkey Breeder | Plymouth | 18.00 | 18.2 | 3.50 | 3.8 | 5.00 | 4.5 |
| Lay or Bust All Mash Breeder | Lebanon | 16.00 | 16.6 | 3.50 | 4.2 | 5.00 | 4.4 |
| Lay or Bust All Mash Grower | Plymouth | 15.00 | 15.5 | 3.50 | 3.7 | 5.00 | 3.7 |
| Lay or Bust All Mash Layer | Plymouth | 16.00 | 16.5 | 3.50 | 3.8 | 5.00 | 4.0 |
| +Lay or Bust All Mash Layer | Lebanon | 16.00 | **15.3** | 3.50 | **3.2** | 5.00 | 5.0 |
| Lay or Bust Breeder Mash | Salem Depot | 20.00 | 22.1 | 3.50 | 4.9 | 6.00 | 3.0 |
| Lay or Bust Chick Starter | Colebrook | 21.00 | 21.6 | 3.50 | 3.8 | 4.50 | 4.5 |
| Lay or Bust Egg Mash | Plymouth | 20.00 | 20.2 | 3.50 | 3.5 | 6.00 | 5.1 |
| +Lay or Bust Egg Mash | Lebanon | 20.00 | 20.1 | 3.50 | 3.5 | 6.00 | 4.7 |
| Lay or Bust Growing Feed (Pellets) | Lebanon | 18.00 | 19.8 | 3.50 | 3.6 | 6.00 | 5.0 |
| Lay or Bust Hi-Power 20% Broiler Ration | Plymouth | 20.00 | 20.8 | 3.50 | 4.4 | 4.00 | 3.2 |
| Lay or Bust Hi-Value Pellets | Berlin | 12.00 | 13.7 | 3.00 | 5.2 | 6.50 | 5.6 |
| Lay or Bust Hi-Value Pellets | Hillsboro | 12.00 | 13.4 | 3.00 | 3.1 | 6.50 | 5.1 |
| Lay or Bust Poultry Fitting Ration | N. Haverhill | 12.00 | 12.4 | 3.00 | 3.0 | 9.00 | 4.4 |
| Milk Maid Bulky Sweet Dairy | Colebrook | 12.00 | 13.4 | 2.50 | 3.1 | 14.00 | 12.1 |
| Milk Maid Calf Starter | Newport | 19.00 | **18.4** | 3.00 | 3.9 | 8.00 | 4.6 |
| Milk Maid 16% Dairy Ration | Plymouth | 16.00 | 19.7 | 3.50 | 4.1 | 9.00 | 8.5 |
| Milk Maid 20% Dairy Ration | Berlin | 20.00 | 19.6 | 3.50 | 3.8 | 9.00 | 9.3 |
| Milk Maid Dri-Fresh Ration | Lebanon | 12.00 | 15.2 | 3.00 | 3.9 | 10.00 | 10.8 |
| Milk Maid Fitting Ration | Lebanon | 14.00 | 14.7 | 3.00 | 3.5 | 9.00 | 9.0 |
| +Milk Maid Fitting Ration | Lebanon | 14.00 | 15.2 | 3.00 | 3.9 | 9.00 | 8.2 |
| Milk Maid 14% Test Ration | Berlin | 14.00 | 15.6 | 4.00 | 4.4 | 9.00 | 8.8 |
| Milk Maid 18% Test Ration | Berlin | 18.00 | 18.2 | 4.00 | 4.2 | 9.00 | 8.8 |
| +Milk Maid 18% Test Ration | Hillsboro | 18.00 | 18.0 | 5.00 | **4.4** | 9.00 | 7.8 |
| Nicarbazin Mixture in Lay or Bust All-Mash Grower | Lancaster | 15.00 | 17.5 | 3.50 | 4.4 | 5.00 | 3.9 |
| Nicarbazin Mixture in Lay or Bust Chick Starter | Berlin | 21.00 | 22.7 | 3.50 | 3.7 | 4.50 | 4.5 |
| Nicarbazin Mixture in P & P Complete Grower | Hillsboro | 15.00 | 15.6 | 3.00 | 4.1 | 6.00 | 5.1 |
| +Park & Pollard Complete Grower | Lebanon | 15.00 | 16.4 | 3.00 | 3.0 | 6.00 | 5.5 |
| Park & Pollard Complete Layer | Berlin | 15.00 | 16.9 | 3.00 | 5.2 | 6.00 | 5.6 |
| Park & Pollard Complete Layer | Hillsboro | 15.00 | 17.7 | 3.00 | 3.6 | 6.00 | 4.7 |
| P & P 16% Dairy | Lancaster | 16.00 | 16.5 | 3.00 | 3.6 | 10.00 | 8.6 |
| Park & Pollard Economy Scratch | Lancaster | 9.00 | 9.9 | 2.00 | 3.3 | 4.50 | 4.4 |
| P & P Fitting Ration | Lancaster | 14.00 | 14.0 | 3.00 | 3.3 | 11.00 | 9.8 |
| Park & Pollard Go-Tu-It Pig Grower | Lebanon | 14.00 | 14.6 | 3.50 | 3.8 | 7.00 | 4.4 |
| Park & Pollard Go-Tu-It Pig Starter | Colebrook | 16.00 | 17.4 | 3.00 | 4.2 | 6.00 | 4.9 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Park & Pollard Co.** (Continued) | | | | | | | |
| +Park & Pollard Hi-Speed Horse Feed | Lebanon | 12.00 | 13.0 | 3.00 | 3.4 | 9.00 | 7.3 |
| P & P Histostat Mixture in Hi-Prime Turkey Starter | Plymouth | 28.00 | 28.5 | 3.50 | 3.7 | 5.00 | 5.0 |
| P & P Histostat Mixture in Hi-Prime Turkey Grower | Plymouth | 22.00 | 23.3 | 3.50 | 4.3 | 5.50 | 4.7 |
| Park & Pollard Rabbit Pellets | Newport | 17.00 | 17.9 | 3.00 | 3.4 | 12.00 | 9.2 |
| Park & Pollard Stock Feed | Berlin | 10.00 | 13.8 | 2.00 | 2.4 | 12.00 | 9.4 |
| P & P Sulfaquinoxaline Mixture in Hi-Prime Turkey Grower | Newport | 22.00 | 23.6 | 3.50 | 3.9 | 5.50 | 3.8 |
| P & P Sulfaquinoxaline Mixture in Lay or Bust Chick Starter | Plymouth | 21.00 | 22.1 | 3.50 | 4.3 | 4.50 | 4.0 |
| Phenothiazine & Nicotine Mixture in Lay or Bust D-Wormer | N. Haverhill | 18.00 | 20.7 | 2.75 | 3.9 | 6.50 | 6.2 |
| Red Ribbon 16% Dairy Ration | Rochester | 16.00 | 20.8 | 3.00 | 3.4 | 11.00 | 9.4 |
| Red Ribbon 18% Dairy Ration | Rochester | 18.00 | 20.7 | 3.00 | 3.1 | 11.00 | 9.6 |
| Red Ribbon 20% Dairy Ration | Rochester | 20.00 | 21.4 | 3.00 | 3.1 | 11.00 | 9.4 |
| **George H. Parker Grain Co.**<br>**Danvers, Mass.** | | | | | | | |
| Bill McHugh's Horse Feed | Salem Depot | 12.00 | 11.6 | 3.00 | 3.2 | 10.00 | 7.1 |
| Bill McHugh's Horse Feed | Salem Depot | 12.00 | 12.3 | 3.00 | 3.6 | 10.00 | 7.9 |
| **Parrish & Heimbecker, Ltd.**<br>**Tronoto, Quebec, Canada** | | | | | | | |
| +"Parrheim" Pure Wheat Bran | Dover | 14.00 | 14.2 | 3.50 | 4.1 | 11.50 | 7.5 |
| +"Perrheim" Pure Wheat Shorts | Suncook | 14.00 | 15.3 | 3.50 | 5.0 | 8.00 | 7.6 |
| **Pasco Packing Co.**<br>**Dade City, Fla.** | | | | | | | |
| Suger Sweet Citrus Pulp | Lancaster | 6.00 | 5.8 | 3.00 | 5.3 | 13.50 | 10.2 |
| Suger Sweet Citrus Pulp | Potter Place | 6.00 | 6.2 | 3.00 | 4.3 | 13.50 | 10.2 |
| **Penick & Ford Ltd., Inc.**<br>**Cedar Rapids, Iowa** | | | | | | | |
| +21% Protein Douglas Corn Gluten Feed | Keene | 21.00 | 25.0 | 1.00 | 1.7 | 10.00 | 8.0 |
| **Pillsbury of Canada, Ltd.**<br>**Midland, Canada** | | | | | | | |
| +Dandy Wheat Bran | Colebrook | 14.00 | 14.4 | 3.50 | **2.1** | 11.50 | 10.4 |
| **Pillsbury Mills, Inc.**<br>**Minn., Minn.** | | | | | | | |
| Pillsbury's Hard Wheat Bran with Ground Wheat Screenings not Exceeding Mill Run | Exeter | 14.00 | 15.8 | 4.00 | 4.6 | 12.00 | 10.6 |
| +**Pillsbury Mills Soybean Oil Meal | Bow Mill | 50.00 | 50.6 | 0.50 | 1.0 | 3.00 | 3.0 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.
** Sampled from Bulk Shipments.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Pillsbury Mills, Inc.** (Continued) | | | | | | | |
| Pillsbury's Wheat Standard Middlings with Ground Wheat Screenings not Exceeding Mill Run | Woodsville | 15.00 | 15.8 | 4.00 | 4.6 | 9.50 | 7.2 |
| **Presto Grain Co.** | | | | | | | |
| **Claremont, N. H.** | | | | | | | |
| Presto 16% Dairy Ration | Claremont | 16.00 | 16.3 | 3.50 | 3.3 | 9.00 | 6.6 |
| Presto 16% Dairy Ration | Claremont | 16.00 | 16.4 | 3.50 | **3.1** | 9.00 | 6.7 |
| Presto 16% Dairy Ration | Claremont | 16.00 | 15.6 | 3.00 | 3.0 | 9.00 | 7.0 |
| +Presto 20% Dairy Ration | Claremont | 20.00 | **17.43** | 3.00 | 3.0 | 9.00 | 6.3 |
| Presto 20% Dairy Ration | Claremont | 20.00 | 20.1 | 3.50 | **3.2** | 9.00 | 5.8 |
| Presto 20% Dairy Ration | Claremont | 20.00 | **17.9** | 3.00 | **2.7** | 9.00 | 6.3 |
| Presto Fitting Ration | Claremont | 14.00 | 15.1 | 3.50 | 3.6 | 9.00 | 6.5 |
| Presto Fitting Ration | Claremont | 14.00 | 15.0 | 3.50 | **3.1** | 9.00 | 6.7 |
| Presto Fitting Ration | Claremont | 14.00 | 14.4 | 3.00 | 3.2 | 9.00 | 6.7 |
| Presto High Energy All Mash Layer | Claremont | 16.00 | 16.4 | 3.50 | 3.9 | 4.50 | 4.3 |
| Presto High Energy All Mash Layer | Claremont | 16.00 | 16.0 | 3.50 | 3.8 | 4.50 | 4.4 |
| Presto Pig Grower | Claremont | 14.00 | 15.3 | 3.50 | 3.8 | 7.00 | 6.0 |
| Presto Pig Grower | Claremont | 14.00 | 14.5 | 3.50 | 3.6 | 7.00 | 7.3 |
| **Quaker Oats Co.** | | | | | | | |
| **Chicago, Ill.** | | | | | | | |
| Bell Cow Wheat Bran | Keene | 15.00 | 15.0 | 3.50 | 4.2 | 11.50 | 10.1 |
| **Quaker Oats Co. of Canada, Ltd.** | | | | | | | |
| **Peterborough, Ontario, Canada** | | | | | | | |
| Peterborough Oat Mill By-Product | Franklin | 2.50 | 3.2 | 1.00 | 1.1 | 33.00 | 31.4 |
| Peterborough Oat Mill By-Product | Claremont | 2.50 | 3.3 | 1.00 | 1.2 | 32.00 | 29.4 |
| **Ralston Purina Co.** | | | | | | | |
| **St. Louis, Mo.** | | | | | | | |
| Medicated Chek-R-Aide Checkerettes | Nashua | 20.00 | 20.1 | 4.50 | 5.6 | 4.50 | 3.5 |
| Northeastern Scratch Feed | Manchester | 9.00 | 9.0 | 2.00 | 2.6 | 5.00 | 3.5 |
| Purina B & M Cow Chow D | Manchester | 16.00 | 16.0 | 2.50 | 2.7 | 10.00 | 5.2 |
| Purina Breeder Lay Chow E | Exeter | 23.00 | 23.8 | 4.00 | 5.5 | 5.00 | 4.8 |
| Purina Breeder Layena (Complete Ration) E | Manchester | 16.50 | 16.5 | 4.00 | 5.6 | 4.50 | 3.4 |
| Purina Breeder Layena (Complete Ration) E | Nashua | 16.50 | 16.8 | 4.00 | 6.1 | 4.50 | 3.4 |
| Purina Chick Growena E | Exeter | 17.00 | 17.3 | 3.00 | 4.6 | 7.00 | 5.1 |
| Purina Chick Growing Chow E | Exeter | 23.00 | 23.9 | 2.50 | 3.9 | 8.00 | 6.2 |
| Purina Cow Chow 16% (Coarse) | Exeter | 16.00 | 16.0 | 2.50 | 2.7 | 10.00 | 5.6 |
| Purina Cow Chow 16% (Coarse) | Exeter | 16.00 | 16.5 | 2.50 | 2.9 | 10.00 | 5.6 |
| Purina Cow Chow 18% D | Manchester | 18.00 | 18.3 | 2.50 | 2.6 | 10.00 | 5.1 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Ralston Purina Co.** (Continued) | | | | | | | |
| Purina D & F Chow | Lancaster | 12.50 | 12.1 | 2.50 | 2.5 | 11.00 | 8.6 |
| Purina 16% Dairy Chow | Exeter | 16.00 | 16.3 | 2.50 | 3.3 | 13.00 | 9.6 |
| Purina Eggena E | Manchester | 16.00 | 16.7 | 3.00 | 5.2 | 7.00 | 5.8 |
| Purina Eggena E | Manchester | 16.00 | 16.4 | 3.00 | 4.8 | 7.00 | 6.3 |
| Purina Lay Chow E | Exeter | 23.00 | 22.7 | 3.50 | 4.9 | 5.00 | 4.8 |
| Purina Layena (Complete Ration) E | Lancaster | 16.50 | 16.5 | 3.50 | 5.2 | 4.50 | 3.9 |
| Purina Milk Chow E 16% | Manchester | 16.00 | 17.3 | 3.00 | 3.3 | 10.00 | 6.6 |
| Purina 3 Nitro-4 & Nicarbazin Purina Broiler Chow Finisher E | Nashua | 20.00 | 20.1 | 4.50 | 5.4 | 3.00 | 2.5 |
| Purina 4 - Nitrophenylarsonic Acid Mixture in Purina Turkey Fatena E | Manchester | 15.50 | 16.0 | 3.50 | 5.4 | 8.00 | 4.2 |
| Purina 4 - Nitrophenylarsonic Acid Mixture in Turkey Breeder Developer E | Nashua | 14.00 | 15.0 | 3.00 | 4.5 | 8.50 | 6.8 |
| P. 3 Nitrophenylarsonic Acid & Nicarbazin Mixture in P. Chick Startena E | Manchester | 22.00 | 22.3 | 4.50 | 5.6 | 5.00 | 4.6 |
| Purina Omolene | Lancaster | 10.00 | 11.1 | 3.00 | 2.8 | 11.00 | 8.7 |
| Purina Omolene | Salem Depot | 10.00 | 11.0 | 3.00 | 3.1 | 11.00 | 7.3 |
| Purina Pullet Developer E | Exeter | 13.00 | 13.5 | 2.50 | 4.4 | 8.00 | 5.6 |
| Purina Roaster Chow (E) nc Medicated | Nashua | 17.00 | 17.0 | 4.00 | 5.4 | 6.50 | 3.6 |
| Purina Turkey Breeder Layena E | Manchester | 16.50 | 16.6 | 3.00 | 4.9 | 6.50 | 4.2 |
| Purina Turkey Fatena E | Manchester | 15.50 | 15.8 | 3.50 | 5.4 | 8.00 | 4.5 |
| Purina Turkey Growena E | Manchester | 20.00 | 19.6 | 3.50 | 5.0 | 7.00 | 4.9 |
| **John Reardon & Sons**<br>**Cambridge, Mass.** | | | | | | | |
| Register Brand 45% Protein Meat & Bone Scrap | Concord | 45.00 | **44.2** | 8.00 | 12.1 | ..... | .... |
| Register Brand 45% Protein Meat & Bone Scrap | Concord | 45.00 | 45.5 | 8.00 | 9.9 | .... | .... |
| **G. Rouleau, Ltd.**<br>**Montreal, Quebec, Canada** | | | | | | | |
| +Barley Feed | Keene | 9.50 | 11.2 | 2.00 | 2.3 | 14.00 | 8.6 |
| **Russell Miller Milling Co.**<br>**Minn., Minn.** | | | | | | | |
| Occident Wheat Bran | Claremont | 14.50 | 15.9 | 4.00 | 4.4 | 11.00 | 10.1 |
| Occident Wheat Red Dog | Colebrook | 16.50 | 18.9 | 3.50 | 4.8 | 4.00 | 2.9 |
| Occident Wheat Standard Middlings with Ground Wheat Screenings | Manchester | 15.00 | 18.9 | 4.00 | 5.5 | 9.50 | 9.1 |
| Occident Wheat Standard Middlings W/GWS | Claremont | 15.00 | 17.2 | 4.00 | 4.9 | 9.50 | 8.0 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Saunders Mills, Inc.**<br>**Toledo, Ohio** | | | | | | | |
| +Vita Greens Alfalfa Meal Dehydrated 17 | Concord | 17.00 | 17.1 | 1.50 | 2.4 | 27.00 | 24.6 |
| **Scotia Fat Salvage Co., Ltd.**<br>**Middle Sackville, Halifax County, Nova Scotia** | | | | | | | |
| +Pure Ground Fish Meal | Manchester | 60.00 | 63.1 | 10.00 | **3.0** | ..... | .... |
| **Joseph E. Seagram & Sons, Inc.**<br>**Louisville, Ky.** | | | | | | | |
| Seagram's Corn Distillers Dried Solubles | Manchester | 25.00 | 29.6 | 5.00 | 6.8 | 5.00 | 4.7 |
| **Shirriff-Horsey Corp., Ltd.**<br>**Plant City, Florida** | | | | | | | |
| +J. William Horsey Brand Dried Citrus Pulp | Manchester | 6.00 | 6.5 | 3.00 | **2.4** | 15.00 | 14.0 |
| **South End Grain, Inc.**<br>**Manchester, N. H.** | | | | | | | |
| Nicarbazine Mixture in Superior Starter-Broiler | Manchester | 20.00 | 21.2 | 2.50 | 3.4 | 4.00 | 3.3 |
| Superior High Energy Breeder Mash | Manchester | 16.00 | 16.3 | 3.00 | 3.9 | 4.50 | 4.5 |
| **Southern Fruit Distributors, Inc.**<br>**Orlando, Florida** | | | | | | | |
| Bluebird Citrus Pulp | Claremont | 6.00 | 6.1 | 3.50 | **2.6** | 17.00 | 15.5 |
| **F. B. Saulding Co.**<br>**Lancaster, N. H.** | | | | | | | |
| Provender | Lancaster | 10.00 | 10.0 | 3.50 | 3.5 | 9.00 | 5.4 |
| "Real" Hog Grower & Fattener.. | Lancaster | 14.00 | 14.9 | 3.50 | **3.2** | 5.50 | 3.8 |
| Spaulding's 16% Dairy Ration .. | Lancaster | 16.00 | 16.6 | 3.00 | 3.3 | 9.00 | 7.1 |
| Spaulding's 20% Dairy Ration .. | Lancaster | 20.00 | 21.1 | 2.75 | 3.4 | 9.00 | 7.0 |
| Spaulding's Fitting Ration | Lancaster | 12.00 | 13.4 | 3.25 | 3.3 | 9.00 | 8.2 |
| Spaulding's Horse Feed | Lancaster | 10.00 | 10.2 | 3.25 | 3.4 | 9.00 | 8.1 |
| **St. Lawrence Starch Co.**<br>**Port Credit, Ontario, Canada** | | | | | | | |
| +**Bacon's Corn Gluten Feed | Claremont | 21.00 | 25.8 | 2.00 | 3.9 | 10.00 | 8.2 |
| **A. E. Staley Mfg. Co.**<br>**Decatur, Ill.** | | | | | | | |
| +Staley's Corn Oil Meal | Manchester | 18.00 | 21.5 | 3.50 | 4.8 | 11.00 | 10.6 |
| **Suni Citrus Products Co.**<br>**Haines City, Fla.** | | | | | | | |
| Sweet Suni Citrus Pulp | Manchester | 6.00 | 6.0 | 3.50 | 4.5 | 15.00 | **17.2** |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.
** Sampled from Bulk Shipments.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Trexler Farm, Inc.** | | | | | | | |
| **Allentown, Pa.** | | | | | | | |
| +Trexler Dehydrated Alfalfa Meal | Manchester | 17.00 | 17.8 | 2.00 | 2.4 | 27.00 | 26.4 |
| **Trudeau & Freres** | | | | | | | |
| **Chemin Larocque Rd., Valleyfield, Quebec, Canada** | | | | | | | |
| +Brewers' Dried Grains | N. Haverhill | 22.00 | 22.5 | 7.00 | 7.9 | 15.00 | 15.7 |
| **Ultra Life Laboratories, Inc.** | | | | | | | |
| **East St. Louis, Ill** | | | | | | | |
| Ultra-Life Livestock | Keene | 23.00 | 25.6 | 1.50 | 1.6 | 4.50 | 4.1 |
| +Ultra-Life 3 Nitro-4-Hydroxy Mix in New Broiler Gro | Keene | 22.50 | 22.8 | 4.00 | 5.3 | 7.00 | 6.3 |
| **United Cooperative Farmers, Inc.** | | | | | | | |
| **Fitchburg, Mass.** | | | | | | | |
| **Hi NRG All Mash Breeder | New Ipswich | 15.50 | 16.3 | 4.50 | 5.5 | 5.00 | 3.8 |
| **Hi NRG All Mash Grower & Layer | New Ipswich | 15.50 | 16.4 | 5.00 | 4.7 | 5.00 | 3.4 |
| **U.C.F. All Mash Grower & Layer | New Ipswich | 15.50 | 15.5 | 4.00 | 5.2 | 5.00 | 3.7 |
| **U.C.F. Super Starter Medicated.. | New Ipswich | 20.00 | 20.1 | 4.00 | 5.2 | 4.00 | 3.6 |
| **Unity Feeds, Inc.** | | | | | | | |
| **Manchester, N. H.** | | | | | | | |
| Broiler Maker Medicated | Manchester | 20.00 | 20.1 | 4.00 | 4.9 | 3.50 | 3.5 |
| 20% Dairy Ration | Manchester | 20.00 | 21.1 | 3.50 | 3.8 | 9.00 | 7.9 |
| +**High Energy Growing & Laying Mash Medicated | New Ipswich | 15.00 | 16.2 | 4.00 | 4.3 | 4.00 | 3.6 |
| Super Starter Medicated | Manchester | 20.00 | 20.2 | 3.00 | 4.9 | 4.00 | 3.9 |
| **Unity Dairy & Fitting Ration | Hopkinton | 14.00 | 14.7 | 3.50 | 3.6 | 9.00 | 7.2 |
| (F)**Unity 16 Dairy Ration | Francestown | 16.00 | 16.2 | 3.50 | 4.5 | 9.00 | 7.3 |
| **Unity Feeds Breeder Mash | Brentwood | 20.00 | **18.7** | 3.00 | 4.1 | 6.00 | 4.4 |
| (F)**Unity Feeds 16% Dairy Ration | Hillsboro | 16.00 | 18.3 | 3.50 | 4.1 | 9.00 | 6.7 |
| **Unity Feeds 16% Dairy Ration.. | Hopkinton | 16.00 | 16.1 | 3.50 | 3.8 | 9.00 | 7.8 |
| **Unity Feeds 16% Dairy Ration.. | Suncook | 16.00 | 16.1 | 3.50 | 4.0 | 9.00 | 8.6 |
| (F)**Unity Feeds 16% Dairy Ration | Brentwood | 16.00 | 17.1 | 3.50 | 3.8 | 9.00 | 6.6 |
| (F)**Unity Feeds 16% Dairy Ration | Bedford | 16.00 | 17.1 | 3.50 | 3.7 | 9.00 | 8.1 |
| (F)**Unity Feeds 16% Dairy Ration | Bedford | 16.00 | 18.0 | 3.50 | 3.9 | 9.00 | 7.3 |
| (F)**Unity Feeds 20% Dairy Ration | Brentwood | 20.00 | 22.0 | 3.50 | 3.4 | 9.00 | 7.3 |
| (F)**Unity Feeds Dairy & Fitting Ration | Manchester | 14.00 | 14.5 | 3.50 | 3.9 | 9.00 | 6.4 |
| (F)**Unity Feeds Dairy & Fitting Ration | Hopkinton | 14.00 | 14.8 | 3.50 | 4.2 | 9.00 | 8.6 |
| **Unity Feeds Growing & Laying Mash | So. Weare | 20.00 | 20.6 | 3.00 | 4.2 | 6.00 | 5.9 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.
** Sampled from Bulk Shipments.
(F) Sampled at a Farm.

| Manufacturer / Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Unity Feeds, Inc.** (Continued) | | | | | | | |
| (F)**Unity Feeds High Energy Growing & Laying Ration .. | Brentwood | 15.00 | 15.7 | 4.00 | 4.8 | 4.00 | 3.7 |
| (F)Unity Feeds Turkey & Game Bird Growing Mash ..... | Brentwood | 20.00 | 20.4 | 3.00 | 3.9 | 5.00 | 4.5 |
| (F)Unity Improved Calf Ration ..... | Brentwood | 20.00 | 21.8 | 3.50 | 3.3 | 6.00 | 5.8 |
| (F)Unity Turkey & Game Bird Growing Mash ..... | Brentwood | 20.00 | 20.7 | 3.00 | 3.8 | 5.00 | 4.6 |
| **H. K. Webster Co.** **Lawrence, Mass.** | | | | | | | |
| Blue Seal All-Mash Breeder's Ration ..... | Nashua | 16.00 | 16.4 | 3.50 | 3.9 | 3.50 | 2.6 |
| Blue Seal All-Mash Egg Ration | Laconia | 16.00 | 16.4 | 3.00 | 3.2 | 4.00 | 3.7 |
| Blue Seal All-Mash Egg Ration (Pellets) ..... | Laconia | 16.00 | 16.0 | 3.00 | 3.6 | 4.00 | 3.3 |
| Blue Seal All-Mash Growing Ration ..... | Laconia | 16.00 | 16.0 | 3.00 | 3.7 | 4.00 | 3.6 |
| Blue Seal All-Mash Growing Ration ..... | Enfield | 16.00 | 16.0 | 3.00 | 3.9 | 4.00 | 3.3 |
| Blue Seal Coarse 16 Dairy Ration ..... | Bedford | 16.00 | 17.6 | 3.50 | 4.2 | 9.00 | 8.7 |
| Blue Seal Coarse "20" Dairy Ration ..... | Laconia | 20.00 | 20.4 | 3.50 | 4.6 | 9.00 | 8.0 |
| Blue Seal "16" Dairy Ration Coarse ..... | Enfield | 16.00 | 17.0 | 3.50 | 4.1 | 9.00 | 8.1 |
| Blue Seal Egg Mash (Pellets) .... | Laconia | 20.00 | 19.2 | 3.50 | 4.3 | 7.00 | 6.0 |
| Blue Seal Fine "16" Dairy Ration ..... | Exeter | 16.00 | 17.0 | 3.50 | 3.8 | 9.00 | 7.7 |
| Blue Seal Fine "20" Dairy Ration ..... | Exeter | 20.00 | 20.8 | 3.50 | 3.8 | 9.00 | 7.4 |
| (F)Blue Seal Fitting Ration ..... | Grasmere | 14.00 | 15.1 | 3.50 | 3.9 | 9.00 | 8.3 |
| (F)Blue Seal Fitting Ration ..... | Grasmere | 14.00 | 15.2 | 3.50 | 4.4 | 9.00 | 6.6 |
| Blue Seal Furazolidone Chlortetracycline Mixture in NFA.. | Nashua | 20.00 | 20.1 | 3.00 | 3.6 | 4.00 | 2.7 |
| +Blue Seal Furazolidone, Chlortetracycline and Nicarbazin Mixture in NFA ..... | Exeter | 20.00 | 20.5 | 3.00 | 4.1 | 4.00 | 4.0 |
| Blue Seal Growing Mash ..... | Laconia | 18.00 | 18.5 | 3.50 | 4.2 | 6.50 | 6.7 |
| Blue Seal Horse Feed ..... | Laconia | 10.00 | 10.2 | 3.00 | 3.5 | 9.00 | 6.4 |
| Blue Seal Nicarbazin Mixture Inc. In Advance Broiler ..... | Nashua | 22.00 | 21.7 | 5.00 | 5.1 | 3.50 | 2.7 |
| Blue Seal Nicarbazin Mixture in Advance Broiler (Pellets).. | Laconia | 20.00 | 20.4 | 4.00 | 4.8 | 4.00 | 3.9 |
| Blue Seal Nicarbazin Mixture in Chick Starter ..... | Laconia | 20.00 | 23.9 | 4.00 | 4.4 | 4.50 | 4.2 |
| Blue Seal Pig Feed ..... | Nashua | 15.00 | 15.5 | 4.00 | 4.8 | 6.00 | 4.3 |
| Blue Seal Poultry and Turkey Fitting ..... | Enfield | 12.00 | 12.7 | 2.50 | 2.9 | 6.00 | 4.5 |
| Blue Seal Scratch Feed ..... | Exeter | 9.50 | 10.2 | 2.50 | 2.9 | 4.00 | 2.6 |
| Blue Seal SQ. Mixture All Mash Growing Ration ..... | Nashua | 16.00 | 16.2 | 3.00 | 3.7 | 4.00 | 2.6 |

* Protein and fat not less than, crude fiber not more than.
(F) Sampled at a Farm.
** Sampled from Bulk Shipments.
+ Not registered when sampled.

TABLE II — MIXED FEEDS AND INGREDIENTS — Continued

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **H. K. Webster Co.** (Continued) | | | | | | | |
| Blue Seal Standard "16" Dairy Ration | Enfield | 16.00 | 17.1 | 3.00 | 4.0 | 9.00 | 8.4 |
| Blue Seal Standard 20 Dairy Ration | Barrington | 20.00 | 21.0 | 3.50 | 4.2 | 9.00 | 7.4 |
| (F)Blue Seal Succulent Feed and Calving Ration | Grasmere | 12.00 | 12.6 | 2.00 | 2.5 | 16.00 | 14.5 |
| (F)Blue Seal Succulent Feed and Calving Ration | Grasemere | 12.00 | 12.3 | 2.00 | 2.7 | 16.00 | 9.4 |
| Blue Seal Super Breeder's Mash | Exeter | 20.00 | 19.7 | 4.00 | 4.2 | 4.00 | 2.6 |
| **Whitmoyer Laboratories, Ltd.**<br>**Yarmouth, Nova Scotia, Canada** | | | | | | | |
| Whitmoyer Quality 56% Fish Meal | Keene | 56.00 | 60.9 | 5.00 | 9.5 | 2.00 | 0.2 |
| **James Wilson & Sons, Ltd.**<br>**Monkland Mills, Fergus, Ont.** | | | | | | | |
| +Pulverized Oat Hulls | Bow Mill | 4.00 | 4.2 | 1.00 | 1.8 | 30.00 | 29.4 |
| **Winslow Feed Co., Inc.**<br>**Concord, N. H.** | | | | | | | |
| Big W Breeder | Concord | 22.00 | 23.3 | 3.50 | 5.0 | 6.00 | 4.5 |
| Big W Fore-Runner Medicated | Concord | 20.00 | 22.0 | 3.50 | 4.7 | 4.50 | 3.4 |
| Big W Hi Efficiency Breeder | Concord | 16.00 | 16.9 | 3.50 | 4.4 | 4.00 | 3.1 |
| Big W Hi-Ef Grower-Layer | Concord | 16.00 | 16.9 | 3.50 | 4.6 | 4.50 | 3.2 |
| Big W S-F Mash | Concord | 15.00 | 17.3 | 3.00 | 4.5 | 6.00 | 3.9 |
| Winslow's Coarse 18 Dairy | Concord | 18.00 | 17.7 | 3.50 | 4.0 | 10.00 | 7.9 |
| **Wirthmore Feed Co.**<br>**Concord, N. H.** | | | | | | | |
| **Hygrade 16% Dairy | Hopkinton | 16.00 | 17.0 | 3.50 | 4.2 | 9.00 | 8.8 |
| **Hygrade 16% Dairy | Hopkinton | 16.00 | 16.5 | 3.50 | 4.1 | 9.00 | 8.6 |
| **Hygrade 16% Dairy | Concord | 16.00 | 16.9 | 3.50 | 3.7 | 9.00 | 8.0 |
| **Hygrade 14% Fitting Ration | Hopkinton | 14.00 | 13.6 | 3.50 | 4.0 | 9.00 | 9.4 |
| Hygrade Growing Mash | Concord | 18.00 | 18.5 | 3.00 | 4.6 | 6.50 | 5.3 |
| Hygrade High Energy Grower & Layer | Concord | 16.00 | 18.5 | 3.00 | 4.8 | 4.50 | 3.7 |
| Hygrade Sulfaquinoxaline Mixture in Broiler Ration | Concord | 20.00 | 20.0 | 3.00 | 4.2 | 4.50 | 3.7 |
| Hygrade Sulfaquinoxaline Mixture in Chick Starter | Concord | 20.00 | 20.4 | 3.00 | 4.9 | 6.50 | 5.5 |
| Hygrade Sulfaquinoxaline Mixture in High Energy Grower | Concord | 16.00 | 17.5 | 3.00 | 4.3 | 4.50 | 3.7 |

* Protein and fat not less than, crude fiber not more than.
(F) Sampled at a Farm.
\+ Not registered when sampled.
** Sampled from Bulk Shipments.

TABLE III — DOG AND CAT FOODS

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Albers Milling Co.**<br>**Kansas City, Mo** | | | | | | | |
| +Friskie's Dog Food | Portsmouth | 10.00 | 10.1 | 2.50 | 4.1 | 1.00 | 0.4 |
| **Allen Products Co., Inc.**<br>**Allentown, Pa.** | | | | | | | |
| Al Po Dog Feed — Beef & Beef By-Products | New London | 15.00 | 15.7 | 5.00 | 6.5 | 1.50 | 0.1 |
| Al Po Dog Food Horsemeat & Horsemeat By-Products | New London | 14.50 | 15.2 | 2.00 | 4.9 | 1.50 | 0.1 |
| **American Crabmeat Co., Inc.**<br>**Boston, Mass.** | | | | | | | |
| Little 3 Kittens Cat Food | Canaan | 15.00 | 16.9 | 2.00 | 0.6 | 0.10 | 0.04 |
| **Armour & Co.**<br>**Chicago, Ill.** | | | | | | | |
| Armour's Dash Dog Food | Pittsfield | 10.50 | 13.2 | 2.50 | 3.0 | 1.00 | 0.6 |
| **Atlantic & Pacific Tea Co.**<br>**N. Y., N. Y.** | | | | | | | |
| Daily Dog Food Diet No. 1 | Meredith | 12.00 | 12.2 | 3.00 | 4.9 | 1.50 | 0.6 |
| **Calo Dog Food Co., Inc.**<br>**Oakland, Calif.** | | | | | | | |
| Calo Dog Food | Meredith | 10.00 | 10.2 | 3.00 | 4.1 | 1.00 | 0.8 |
| Calo Horsemeat for Dogs & Cats | Portsmouth | 15.00 | **12.8** | 6.00 | 12.4 | 1.00 | 0.4 |
| **Coast Fisheries, Inc., Div. of Quaker Oats Co.**<br>**Chicago, Ill.** | | | | | | | |
| Puss'n Boots Cat Food | Franklin | 12.00 | 14.4 | 2.00 | 9.3 | 1.00 | 0.7 |
| **Consolidated Foods Corp.**<br>**Chicago, Ill.** | | | | | | | |
| Better Bite Dog Food | Sunapee | 14.00 | 15.0 | 4.00 | **2.1** | 0.50 | 0.5 |
| +Friendly Dog & Cat Food | Hudson | 8.00 | 8.2 | 1.00 | 2.1 | 2.00 | 0.9 |
| +Spunky All Fish Cat Food | New London | 15.00 | 16.4 | 0.25 | 0.9 | 1.00 | 0.1 |
| Spunky Dog Food | New London | 10.00 | 10.5 | 2.00 | 2.0 | 1.25 | 1.2 |
| **Deep Run Packing Co.**<br>**Dublin, Pa.** | | | | | | | |
| +Big Bet Dog Food | Alton | 10.00 | 10.4 | 3.00 | 3.5 | 1.50 | 1.4 |
| Big Bet Dog Food 100% Horsemeat | Newmarket | 15.00 | **14.0** | 6.00 | 15.5 | 2.00 | 0.3 |
| +Smithy's Best Bet Dog Food — 100% Horsemeat | Nashua | 14.00 | 14.2 | 5.00 | 15.5 | 1.50 | 0.1 |
| **Delham Food Product Co., Inc.**<br>**Brighton, Mass.** | | | | | | | |
| Kim's Dog Food | Franklin | 18.00 | 17.5 | 5.00 | 7.4 | 0.05 | 0.01 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.

TABLE III — DOG AND CAT FOODS — Continued

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Doyle Packing Co., Inc., of N. J.**<br>**Long Beach, N. J.** | | | | | | | |
| Strongheart Dog & Cat Food .... | Portsmouth | 15.00 | 14.6 | 4.00 | 14.1 | 1.50 | 0.3 |
| **Eastern States Farmers' Exchange, Inc.**<br>**W. Springfield, Mass.** | | | | | | | |
| Eastern States Dog Food ..... | Manchester | 24.00 | 24.4 | 6.00 | 7.5 | 3.50 | 2.5 |
| **Evans Industries, Inc.**<br>**Marion, Ind.** | | | | | | | |
| Prime Pet Food ..... | Boscawen | 8.00 | 8.8 | 2.00 | **1.5** | 1.50 | 0.4 |
| **Food Products Co. of America**<br>**Chicago, Ill.** | | | | | | | |
| Captain Horsemeat Dog Food .... | Contoocook | 17.50 | **15.5** | 3.50 | 13.3 | 1.00 | 0.1 |
| Doghouse Dog & Cat Food ..... | Portsmouth | 10.00 | 10.2 | 2.00 | 2.3 | 5.00 | 1.5 |
| **Foodland, Inc.**<br>**Cleveland, Ohio** | | | | | | | |
| +Mrs. Lane's Cat Food ..... | Hudson | 17.00 | **16.0** | 0.50 | 0.6 | 0.10 | 0.03 |
| Mrs. Lane's Dog Food ..... | Rochester | 8.00 | 11.0 | 2.00 | 3.8 | 1.50 | 1.2 |
| +Mrs. Lane's Dog & Cat Food .... | Nashua | 14.00 | 18.6 | 2.00 | 3.9 | 0.70 | 0.4 |
| **Foster Canning Co.**<br>**Farmington, N. J.** | | | | | | | |
| Snappy Dog Food ..... | Franklin | 9.00 | 9.5 | 1.00 | 1.3 | 1.50 | 1.3 |
| **General Foods Corp.**<br>**Kankakee, Ill.** | | | | | | | |
| Gaines Dog Menu AA ..... | Newport | 10.50 | 13.6 | 2.50 | 3.1 | 1.00 | 0.5 |
| +Jack & Jill Cat Food ..... | Tilton | 14.00 | 17.6 | 0.25 | 0.3 | 0.25 | 0.1 |
| +Jack & Jill Cat Food ..... | Enfield | 14.00 | 18.1 | 0.25 | 0.5 | 0.25 | 0.02 |
| **General Mills, Inc.**<br>**Minn., Minn.** | | | | | | | |
| Larro Surechamp (Cubes) ..... | Laconia | 24.00 | 25.1 | 5.00 | 5.6 | 6.00 | 3.8 |
| **GLF Marketing Service**<br>**Canandaigua, N. Y.** | | | | | | | |
| +Big Red Dog Food ..... | Hudson | 15.00 | **11.6** | 6.00 | 12.4 | 1.50 | 0.1 |
| **Hartz Mountain Products**<br>**New York 3, N. Y.** | | | | | | | |
| Dog Yummies — Dog Treat ..... | New Durham | 26.00 | 35.5 | 3.00 | 6.2 | 6.00 | 2.5 |
| **Hill Pet Food Division**<br>**Topeka, Kansas** | | | | | | | |
| Hill's Dog Food ..... | Keene | 12.00 | **11.2** | 5.00 | 5.0 | 1.00 | 0.5 |
| +Hill's Horsemeat & Meat By-Products for Dogs & Cats ..... | Barnstead | 16.00 | 17.6 | 4.00 | 5.2 | 1.00 | 0.3 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.

TABLE III — DOG AND CAT FOODS — Continued

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Laddie Boy Dog Food Co.**<br>**Glendale, N. Y.** | | | | | | | |
| +Laddie Boy Dog Food — Beef Ground | Rochester | 14.00 | **12.7** | 3.00 | 9.1 | 1.50 | 0.2 |
| **Marnat Packing Co.**<br>**Bennettsville, S. C.** | | | | | | | |
| +Big Time Dog Food | Jaffrey | 15.00 | 16.2 | 3.00 | 5.5 | 1.00 | 0.2 |
| **Massachusetts Canning Co.**<br>**Boston, Mass.** | | | | | | | |
| Imp Cat Food | Lakeport | 14.00 | 17.3 | 0.50 | 0.6 | 0.10 | 0.04 |
| +Mack's Dog & Cat Food (Horsemeat) | Hudson | 14.00 | 18.1 | 6.00 | 7.0 | 0.70 | 0.1 |
| **National Packing Corp.**<br>**Boston, Mass.** | | | | | | | |
| +Kitty Snicker Cat Food | Gossville | 10.00 | 11.6 | 2.00 | 3.5 | 1.00 | 0.3 |
| **National Pet Foods, Inc.**<br>**Marcellus Falls, N. Y.** | | | | | | | |
| +Kalico Kat Cat Food | Contoocook | 12.00 | 13.0 | 2.00 | 8.1 | 1.50 | 0.7 |
| **Old Mother Hubbard Dog Food Co.**<br>**Gloucester, Mass.** | | | | | | | |
| Old Mother Hubbard All Breed Dog Food | Warner | 10.00 | 10.6 | 2.00 | 3.5 | 1.00 | 0.4 |
| Original Old Mother Hubbard Fish Cat Food | Warner | 15.50 | 18.4 | 0.25 | 0.3 | 1.00 | 0.1 |
| **Orleans Canning Co.**<br>**Chicago, Ill** | | | | | | | |
| Orleans Dog Food | Rochester | 15.00 | 16.4 | 3.00 | 12.4 | 1.50 | 0.1 |
| **T. Passarini Co.**<br>**Newton Hgts., Mass.** | | | | | | | |
| Golden Twins Fish & Liver Cat Food | Hudson | 15.00 | 16.3 | 0.20 | 0.4 | 1.50 | 0.1 |
| **S. S. Pierce Co.**<br>**Boston, Mass.** | | | | | | | |
| +S. S. Pierce Co. Dog Dinner Dog Food | Somersworth | 10.00 | 11.7 | 2.00 | 4.2 | 1.00 | 1.0 |
| **Quaker City Packing Co.**<br>**Allentown, Pa.** | | | | | | | |
| Quaker City Beef Dog Food | Nashua | 13.00 | **8.0** | 9.00 | 9.1 | 1.00 | 0.1 |
| **Quaker Oats Co.**<br>**Chicago, Ill.** | | | | | | | |
| Ken L Ration | Meredith | 10.00 | 10.1 | 4.00 | 5.9 | 1.00 | 0.4 |

* Protein and fat not less than, crude fiber not more than.
\+ Not registered when sampled.

TABLE III — DOG AND CAT FOODS — Continued

| Manufacturer<br>Brand | Sampled in | Pounds in 100 lbs. of Feedingstuffs | | | | | |
|---|---|---|---|---|---|---|---|
| | | Protein | | Fat | | Crude Fiber | |
| | | Guaranteed* | Found | Guaranteed* | Found | Guaranteed* | Found |
| **Re-Dan Packing Co.**<br>**Ozone Pg., Long Island, N. Y.** | | | | | | | |
| Cadet Dog Food | Northwood | 8.00 | 9.3 | 2.00 | 3.1 | 1.50 | 1.1 |
| **Red Heart Div., John Morrell & Co.**<br>**Chicago 4, Ill.** | | | | | | | |
| Morrell Red Heart Cat Food | Hudson | 11.50 | 12.2 | 2.00 | 3.8 | 1.00 | 0.7 |
| **Rex Dog Food Div. of Laddie Boy Dog Foods**<br>**Glendale, N. Y.** | | | | | | | |
| +Rex Dog Food | Rochester | 8.00 | 8.7 | 2.00 | 4.9 | 1.50 | 0.9 |
| **Rival Packing Co.**<br>**Chicago 32, Ill.** | | | | | | | |
| Rival Cat Food | Portsmouth | 12.00 | 12.5 | 2.00 | 2.0 | 1.50 | 1.1 |
| **Rudhard Products, Inc.**<br>**248 Michigan Ave., Buffalo, N. Y.** | | | | | | | |
| +Rudhard Baked Fish Balls | Rochester | 27.00 | 33.4 | 3.00 | 6.6 | 3.00 | 1.1 |
| +Rudhard Baked Meat Balls | Rochester | 27.00 | 28.9 | 3.00 | 6.9 | 3.00 | 1.2 |
| **Standard Brands, Inc.**<br>**N. Y., N. Y.** | | | | | | | |
| Walter Kendall Hunt Club Dog Meal | Enfield | 23.00 | 24.3 | 5.00 | 5.2 | 4.00 | 3.0 |
| **Swift & Co.**<br>**Chicago, Ill.** | | | | | | | |
| Pard's Swift Dog Food | Franklin | 10.50 | **9.50** | 2.50 | 4.7 | 1.00 | 0.4 |
| **Thrivo Co., Inc.**<br>**Phila., Pa.** | | | | | | | |
| Scamp Dog Food | Boscawen | 8.00 | 8.9 | 1.50 | 2.0 | 1.50 | 0.9 |
| **Timerson Canning Co.**<br>**Fair Haven, N. Y.** | | | | | | | |
| Flip Dog & Cat Food | Portsmouth | 8.00 | 9.8 | 2.50 | 3.0 | 1.50 | 1.4 |
| Timco Cat Food | Portsmouth | 12.00 | 14.2 | 2.50 | 6.1 | 1.25 | 1.0 |
| Timco Dog & Cat Food | Portsmouth | 12.00 | 11.8 | 2.50 | 5.4 | 1.25 | 1.0 |
| Timco Horsemeat Dog Food | Barnstead | 16.00 | 17.3 | 2.50 | 11.3 | 0.50 | 0.1 |
| Timco 100% Horesmeat Dog Food | Portsmouth | 18.00 | 17.6 | 2.50 | 16.1 | 0.50 | 0.1 |
| **Usen Canning Co.**<br>**Boston, Mass.** | | | | | | | |
| Cop-E-Cat Cat Food | Franklin | 16.00 | 15.7 | 0.30 | 0.9 | 0.30 | 0.1 |
| Tabby All Fish Cat Food | Penacook | 16.00 | 16.1 | 0.30 | 0.9 | 0.30 | 0.1 |
| **Vets Div. Perk Dog Food Co.**<br>**Chicago, Ill.** | | | | | | | |
| Vets Dog Food | Franklin | 10.00 | 10.2 | 2.00 | 1.8 | 1.50 | 1.5 |

* Protein and fat not less than, crude fiber not more than.
+ Not registered when sampled.

The following products were unregistered by the New Hampshire Department of Agriculture at the time they were found exposed for sale, but samples were not drawn. (List supplied by the Feed Control Supervisor.)

| | |
|---|---|
| AGRI-TECH, INC. | KANSAS CITY 5, MO. |
| Spec Meal Alfalfa | 17-1.5-27 |
| ARCHER-DANIELS-MIDLAND CO. | MINNESOTA 2, MINN. |
| 34% Protein Fat Fortified Linseed Oil Meal | 34-3.5-10 |
| BEACON MILLING CO. | CAYUGA, NEW YORK |
| Beacon Duck Fitting | 23-3.5-6 |
| A. B. CAPLE CO. | TOLEDO, OHIO |
| 17% Capex Dehy. Alfalfa Meal | 17-2-27 |
| CHARLES M. COX CO. | BOSTON, MASS. |
| Wirthmore Dog Biscuit Kibbled | 22-2-3 |
| DEEP RUN PACKING CO. | DUBLIN, PENNA. |
| Big Bet Dog Food | 15-3-1.5 |
| Cat'n the Fiddle Cat Food | 10-2-1 |
| Smitty's Best Dog Food | 14-5-1.5 |
| DELAWARE MILLS, INC. | DEPOSIT, NEW YORK |
| Delaware H-E Broiler | 22-4-4 |
| ELM CITY GRAIN CO. | KEENE, N. H. |
| Markitop Dry & Freshening Ration | 12-3-8 |
| ELMORE MILLING CO. | ONEONTA, NEW YORK |
| Emco Scratch Feed | 9-2.5-7 |
| FARM BUREAU CO-OP ASS'N, INC. | COLUMBUS, OHIO |
| Dehydrated Alfalfa Meal | 17-1.5-27 |
| FOODLAND, INC. | CLEVELAND, OHIO |
| Mrs. Lane's Dog and Cat Food | 14-2-.7 |
| FOOD PRODUCTS CO. OF AMERICA | CHICAGO, ILLINOIS |
| Dog House Dog Meal | 25-4-4 |
| HARPER FEED MILLS, INC. | WASHINGTON, PENNA. |
| Harco Hi Energy Broiler Pellets | 20-3-4.5 |
| Harco Top Profit Scratch Feed | 9-2-5 |
| Harco Short Feed Station Fattening Pellets | 15-3-5 |
| LADDIEBOY DOG FOODS, INC. | GLENDALE, L. I., N. Y. |
| Laddie Boy Dog Food All Chicken | 10-3-1.5 |
| MARNAT PACKING CO. | BENNETTSVILLE, S. C. |
| Bit Time Horse Meat Dog Food | 15-6-1 |
| S. E. MIGHTON CO. | BEDFORD, OHIO |
| 100% Brand Dog Food | 15-4-.5 |
| NATIONAL BISCUIT CO. | NEW YORK, N. Y. |
| Pal Dog Biscuit | 20-3.5-2.5 |
| NEW ENGLAND STORES SERVICE CORP. | WORCESTER, MASS. |
| Jumbo Dog Food | 9-1-1.5 |

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| T. PASSARINI CO.<br>Golden Twins Fish & Liver Cat Food | NEWTON HEIGHTS, MASS.<br>15-.2-1.5 |
| PHILLIPS PACKING CO., VIMPEP FOODS DIV.<br>Vimpep Dog Food<br>Nice Kitty Cat Food | CAMBRIDGE, MD.<br>10-2-1<br>10-2-1 |
| PIERCE GRAIN CORP.<br>Superior Fitting Ration | BUFFALO, N. Y.<br>14-3.5-9 |
| S. S. PIERCE CO.<br>Dogs Demand, A Complete Meal Dog Food | BOSTON, MASS.<br>10-2-1 |
| QUAKER OATS CO.<br>Peterborough Oat Mill By-Product | PETERBOROUGH, ONT., CANADA<br>2.5-1-32 |
| G. ROULEAU, LTD.<br>Canadian Barley Feed | MONTREAL, QUE., CAN.<br>9.5-2-14 |
| SPRATT'S PATENT (AM), LTD.<br>Spratt's Assorted Dog Biscuits | NEWARK, N. J.<br>21-3-1.75 |
| STANDARD BRANDS, INC.<br>Hunt Club BurgerBits Dog Food | NEW YORK, N. Y.<br>25-5-4 |
| F. W. STOCK & SONS<br>Stock's Middlings | HILLSDALE, MICH.<br>13.5-4-9.5 |
| SUNSHINE BISCUITS, INC.<br>Austin's Kibbled Baked Dog Food | NEW YORK, N. Y.<br>22-2.5-4.5 |
| T. H. TAYLOR CO., LTD.<br>Wheat Bran | CHATHAM, CANADA<br>13.5-3-11.5 |
| ULTRA LIFE LABS., INC.<br>Ultra Life 3-Nitro-4-Hydroxy. in New Broiler Gro<br>Ultra Life High Energy Poultry | EAST ST. LOUIS, ILL.<br>22.5-4-7<br>19.5-5-5.5 |
| UNITY GRIST MILL<br>Trim—A Complete Ration (Medicated) | MANCHESTER, N. H.<br>15.5-3-6 |
| VITALITY MILLS, INC.<br>Vitality Medium Kibbled Biscuit | CHICAGO, ILL.<br>24-3-3 |
| H. K. WEBSTER CO.<br>Blue Seal Provender | LAWRENCE, MASS.<br>9.5-3.5-7 |
| WILSON & CO.<br>Ideal Dog Food Kibbled Type | CHICAGO, ILL.<br>22.3-2.5-3.61 |

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